WATERPROOFING

POLYCOAT PRODUCTS
A Division of American Polymers Corp.

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DISCLAIMER & PRODUCT USE RESTRICTIONS IN AREAS COVERED BY SOUTHERN CALIFORNIA AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)

Because of VOC regulations made effective July 1, 2006, not all products manufactured by Polycoat Products are available for sale and use in the cities and areas covered by SCAQMD jurisdiction.

The following replacement products have been specially formulated to meet the above VOC limits for SCAQMD areas:

- Polyprime 172SC in place of Polyprime 172
- Polyprime 2180SC in place of Polyprime 2180
- PC-220OF in place of PC-220
- PC-440SC in place of PC-440
- Polyglaze 100SC in place of Polyglaze 100 & 100C
- Polyglaze 400SC in place of Polyglaze 400 & 400C
- Polyglaze 400SC-FR in place of Polyglaze 400-FR & 400C-FR
- Polyglaze AL-50SC in place of Polyglaze AL-50
- Polyglaze AR-OF in place of Polyglaze AR
- Poly-I-Gard® 246SC in place of Poly-I-Gard® 246
- Polycoat-Staingard 6072SC in place of Polycoat-Staingard 6072
- Polycoat-Aquaseal® 5000SC H in place of Polycoat-Aquaseal® 5000H (250VOC)
- Polycoat-Aquaseal® 5000V (100VOC) in place of Polycoat-Aquaseal® 5000V (250VOC)

The following products which do not meet the above VOC regulations for SCAQMD areas may be substituted by the product indicated below. These substituted products meet the above VOC limits for SCAQMD areas.

- PC-550 to be substituted with PC-260
- Polyprime U25 to be substituted with Polyprime U22
- Polycoat-Staingard 1110 No similar product available, use Polyglaze 100SC, Polyglaze AL-50SC or Polycoat-Staingard 6072SC
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SYSTEM DESCRIPTION
The Polydeck® 100 balcony/walking deck system is for light service and is a liquid applied, moisture cured, polyurethane waterproof system. The system utilizes an epoxy primer, one coat of an aromatic polyurethane basecoat, one intermediate coat of an aromatic polyurethane with aggregate, and one aliphatic polyurethane topcoat. The Polydeck® 100 balcony/walking deck system is a specialized application of elastomeric waterproof coatings designed to expand and contract with normal structural movements. The Polydeck® 100 balcony/walking deck system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. Installed and maintained properly, the Polydeck® 100 balcony/walking deck system will ensure years of service.

FEATURES
- Seamless
- Elastomeric
- Recoatable
- Waterproof
- Meets California VOC and AQMD Requirements, Excluding SCAQMD Areas

TYPICAL USES (*With Light Foot Traffic)
- Balconies*
- Walkways*
- Patios*
- Sundecks*

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180. Allow Polyprime to become tack free before proceeding to Phase 3. Substrates other than new plywood are to be primed.

Phase 3: Apply PC-220 to the substrate at a rate of 2 gallons/100 sq. ft. (0.82 liters/m²). For best results, use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed PC-220 evenly over the entire deck resulting in a 23 ± 2 dry mils (584 ± 51 microns) thick membrane. Allow PC-220 to cure before proceeding to Phase 4. Recoats must be done within 24 hours of cure.

Phase 4: Apply a second coat of PC-220 at a rate of 1 gallon/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh’s minimum hardness, at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. This coat will result in a 8 ± 2 dry mils (203 ± 51 microns) thick membrane. After allowing to cure, remove all loose aggregate. Recoats must be done within 24 hours of cure.

Phase 5: Apply desired color of Polyglaze 100 or Polyglaze AL-50 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results, use a phenolic core roller. This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane.

Optional Second Topcoat: A second coat of topcoat is required for a warranted system. Apply a second coat of desired color of Polyglaze 100 or Polyglaze AL-50 topcoat at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). For best results, use a phenolic core roller. This coat will result in an additional 7 ± 2 dry mils (178 ± 51 microns) thick membrane.
OPTIONAL FAST CURE
Basecoat: The addition of PC-50 will shorten cure time to 4 to 8 hours for each coat. Recoats should occur 12 hours after cure.
Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

SLOPING, CONCRETE REPAIR, CRACK FILLING
For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.

FINISHED SYSTEM
When applied as directed, the Polydeck® 100 balcony/walking deck system will provide 40 dry mils (1016 dry microns), exclusive of aggregate, of superior waterproofing protection.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING
Polyprime 2180 and Polyprime EBF-LV: 2 gallon kits (One gallon can of Part-A and One gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

Basecoats: 1 gallon cans or 5 gallon pails.
Topcoats: 1 gallon cans or 5 gallon pails.

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete, asphalt surfaces and asphalt overlays.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.
Plywood should be new or cleaned and sanded (see general guidelines). Coating should be applied at least 5°F (3°C) above the dew point.
Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.
The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Solvents and Curatives.
SYSTEM DESCRIPTION
Polydeck® 100SC is designed for use in Southern California to be in compliance with air quality standards. The Polydeck® 100SC balcony/walking deck system is for light service and is a liquid applied, moisture cured, polyurethane waterproof system. The system utilizes an epoxy primer, one coat of a low odor aromatic polyurethane basecoat, one intermediate coat of a low odor aromatic polyurethane with aggregate, and one aliphatic polyurethane topcoat. The Polydeck® 100SC balcony/walking deck system is a specialized application of elastomeric waterproof coatings designed to expand and contract with normal structural movements. The Polydeck® 100SC balcony/walking deck system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. Installed and maintained properly, the Polydeck® 100SC balcony/walking deck system will ensure years of service.

FEATURES
- Low Odor
- Seamless
- Elastomeric
- Recoatable
- Waterproof
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES (*With Light Foot Traffic)
- Balconies*
- Walkways*
- Patios*
- Sundecks*

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180SC at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Allow Polyprime to become tack free before proceeding to Phase 3.

Substrates other than new plywood are to be primed.

Phase 3: Apply PC-220OF to the substrate at a rate of 2 gallon/100 sq. ft. (0.82 liters/m²). For best results, use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed PC-220OF evenly over the entire deck resulting in a 28 ± 2 dry mils (711 ± 51 microns) thick membrane. Allow PC-220OF to cure before proceeding to Phase 4. Recoats must be done within 24 hours of cure.

Phase 4: Apply a second coat of PC-220OF at a rate of 0.31 liters/m². Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh's minimum hardness, at a rate of 20 lbs/100 sq. ft or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. This coat will result in a 11 ± 2 dry mils (279 ± 51 microns) thick membrane. After allowing to cure, remove all loose aggregate. Recoats must be done within 24 hours of cure.

Phase 5: Apply desired color of Polyglaze 100SC or Polyglaze AL-50SC topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results, use a phenolic core roller. This coat will result in an additional 12 ± 2 dry mils (305 ± 51 microns) thick membrane.

Optional Second Topcoat: A second coat of topcoat is required for a warranted system. Apply a second coat of desired color of Polyglaze 100SC or Polyglaze AL-50SC.
When applied as directed, the Polydeck® 100SC balcony/finishing system mixed PC-260, or add sand/rubber granules from 0.5 to 1.5 by volume into:

- For sloping, concrete repair or to fill cracks, use PC-260 neat to 8-12 hours of when surface becomes tack-free.
- Cure time to 6 to 8 hours for each coat. Recoats should occur 12 hours after recoats should occur.

**SLOPING, CONCRETE REPAIR, CRACK FILLING**

For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.

**FINISHED SYSTEM**

When applied as directed, the Polydeck® 100SC balcony/walking deck system will provide 50 dry mils (1270 dry microns), exclusive of aggregate, of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

**PACKAGING**

Polyprime 2180SC and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

Basecoats: 1 gallon cans or 5 gallon pails.

Topcoats: 1 gallon cans or 5 gallon pails.

**LIMITATIONS**

The following conditions must not be coated with Polycoat Products:

- Deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.
- The products in this system contain Isocyanates, Solvents and Curatives.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Polywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

**WARNING**

The products in this system contain Isocyanates, Solvents and Curatives.
POLYDECK® 150
50 Dry Mils Decking System
System Data Sheet

SYSTEM DESCRIPTION
The Polydeck® 150 decking system is for everyday use and is a liquid applied, moisture cured, polyurethane waterproof system. The system utilizes an epoxy primer, one coat of an aromatic polyurethane basecoat, one intermediate coat of an aromatic polyurethane with aggregate, and one aliphatic polyurethane topcoat. The Polydeck® 150 decking system is a specialized application of elastomeric waterproof coatings designed to expand and contract with normal structural movements. The Polydeck® 150 decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. Polydeck® 150 is resistant to weathering. Installed and maintained properly, the Polydeck® 150 decking system will ensure years of service.

FEATURES
❖ Seamless
❖ Elastomeric
❖ Recoatable
❖ Waterproof
❖ Meets California VOC and AQMD Requirements, Excluding SCAQMD Areas

TYPICAL USES
❖ Balconies
❖ Walkways
❖ Patios
❖ Roof Decks
❖ Over Occupied Space

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180 at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Metal should only be primed with Polyprime 2180.

Phase 3: Apply PC-220 to the substrate at a rate of 2 gallons/100 sq. ft. (1.12 liters/m²). For best results, use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed PC-220 evenly over the entire deck resulting in a 31 ± 2 dry mils (787 ± 51 microns) thick membrane. Allow PC-220 to cure before proceeding to Phase 4. Recoats must be done within 24 hours of cure.

Phase 4: Apply Polyglaze AR at a rate of 1 gallon/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh's minimum hardness, at a rate of 20 lbs/100 sq.ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. This coat will result in an additional 9 ± 2 dry mils (229 ± 51 microns) thick membrane, exclusive of aggregate. After allowing to cure, remove all loose aggregate.

Phase 5: Apply desired color of Polyglaze 100 or Polyglaze AL-50 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results, use a phenolic core roller. This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane.

OPTIONAL FAST CURE
Basecoat: The addition of PC-50 will shorten cure time to 4 to 8 hours for each coat. Recoats should occur 12 hours after cure.

Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.
SLOPING, CONCRETE REPAIR, CRACK FILLING
For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.

FINISHESYSTEM
When applied as directed, the Polydeck® 150 decking system will provide 50 dry mils (1270 dry microns), exclusive of aggregate, of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING
Polyprime 2180 and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

Basecoats: 1 gallon cans or 5 gallon pails.
Topcoats: 1 gallon cans or 5 gallon pails.

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete, asphalt surfaces and asphalt overlays.

New concrete must be cured for 28 days.

Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days. Concrete cleaning (see general guidelines).

The products in this system contain Isocyanates, Solvents and Curatives. Polycoat Products assumes no liability for substrate defects.

The appearance and physical characteristics of the plywood and grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Coverage should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mill thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Solvents and Curatives.
POLYDECK® 150SC
54 Dry Mils Decking System
System Data Sheet

POLYDECK® 150SC is designed for use in Southern California to be in compliance with air quality standards. The Polydeck® 150SC decking system is for everyday use and is a liquid applied, moisture cured, polyurethane waterproof system.

The system utilizes an epoxy primer, one coat of a solvent free aromatic polyurethane basecoat, one intermediate coat of a solvent free aromatic polyurethane with aggregate, and one aliphatic polyurethane topcoat. The Polydeck® 150SC decking system is a specialized application of elastomeric waterproof coatings designed to expand and contract with normal structural movements. The Polydeck® 150SC decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. Polydeck® 150SC is resistant to weathering. Installed and maintained properly, the Polydeck® 150SC decking system will ensure years of service.

FEATURES
❖ Seamless
❖ Elastomeric
❖ Recoatable
❖ Waterproof
❖ Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES
❖ Balconies
❖ Walkways
❖ Patios
❖ Roof Decks
❖ Over Occupied Space

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180SC at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Metal should only be primed with Polyprime 2180SC. Allow Polyprime to become tack free before proceeding to Phase 3.

Substrates other than new plywood are to be primed.

Phase 3: Apply PC-220OF to the substrate at a rate of 2½ gallons/100 sq. ft. (0.91 liters/m²). For best results, use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed PC-220OF evenly over the entire deck resulting in a 31 ± 2 dry mils (787 ± 51 microns) thick membrane. Allow PC-220OF to cure before proceeding to Phase 4. Recoats must be done within 24 hours of cure.

Phase 4: Apply Polyglaze AR-OF at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh’s minimum hardness, at a rate of 20 lbs/100 sq.ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane, exclusive of aggregate. After allowing to cure, remove all loose aggregate.

Phase 5: Apply desired color of Polyglaze 100SC or Polyglaze AL-50SC topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results, use a phenolic core roller. This coat will result in an additional 12 ± 2 dry mils (305 ± 51 microns) thick membrane.

OPTIONAL FAST CURE
Basecoat: The addition of PC-50 will shorten cure time to 4 to 8 hours for each coat. Recoats should occur 12 hours after cure.
Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

SLOPING, CONCRETE REPAIR, CRACK FILLING
For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.

FINISHED SYSTEM
When applied as directed, the Polydeck® 150SC decking system will provide 54 dry mils (1371 dry microns), exclusive of aggregate, of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING
Polyprime 2180SC and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

Basecoats: 1 gallon cans or 5 gallon pails.

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

**WARNING**

The products in this system contain Isocyanates, Solvents and Curatives.
The Polydeck® 160 decking system is a liquid applied, high performance, polyurethane waterproof system. The system utilizes an epoxy primer, one coat of a fast setting chemically cured two component polyurethane elastomeric basecoat with a rubber aggregate that can be applied at any thickness on concrete, plywood and metal surfaces, and one or two coats of an aliphatic polyurethane topcoat. The Polydeck® 160 decking system is designed to expand and contract with normal structural movements. The Polydeck® 160 decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. It will not soften in heat nor embrittle in cold. The system is designed for use in a wide range of applications. Installed and maintained properly, the Polydeck® 160 decking system will ensure years of service.

FEATURES
- Non-Gassing
- Can Be Applied at Any Thickness
- Good Thermal Stability
- Seamless
- Chemical Resistance
- Meets California VOC and AQMD Requirements, Excluding SCAQMD Areas

TYPICAL USES
- Balconies
- Walkways
- Over Occupied Space

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4” Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180 at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Metal should only be primed with Polyprime 2180. Allow Polyprime to become tack free before proceeding to Phase 3.

Phase 3: Apply PC-260 (see mixing instructions for PC-260) to the substrate at a rate of 3 gallons/100 sq. ft. (1.22 liters/m²). Application will require more or less material depending on requirements. Use a notched trowel or squeegee to spread PC-260 evenly over the entire deck resulting in a 46 ± 2 dry mils (1168 ± 51 microns) thick membrane, exclusive of aggregate.

Substrates other than new plywood are to be primed.

Phase 4: While PC-260 is still wet and starting to gel, broadcast 16-30 white rubber granules into the PC-260 membrane (rubber granules should sink only partially into the basecoat) at a rate of 10 lbs./100 sq. ft. or as required to achieve a slip-resistant finish. The amount of rubber used will vary. When the PC-260 is stiff enough to walk on without denting, remove all loose aggregate.

Phase 5: Apply only pigmented Polyglaze 100 or Polyglaze Al-50 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²) or Polycoat-Staingard 1110 at a rate of ¾ gallon/100 sq. ft. (.31 liters/m²). For best results, use a phenolic core roller. Extra care should be taken to prevent air bubbles. This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane.

OPTIONAL SAND AGGREGATE
If a sand aggregate is to be used instead of rubber granules, Phase 3 and Phase 4 should be applied as follows:
Phase 3: Apply PC-260 (see mixing instructions for PC-260) at a rate of 2 gallons/100 sq. ft. (0.82 liters/m²). Use a notched trowel or squeegee to spread PC-260 evenly over the entire deck. Allow to dry before proceeding to Phase 4. This will result in a 30 ± 1 dry mils (762 ± 25 microns) thick membrane.

Phase 4: Apply a second coat of PC-260 (see mixing instructions for PC-260) over the first coat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Spread PC-260 evenly over the entire deck.
Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm). 6.5+ Moh’s minimum hardness, at a rate of 20 lbs./100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, cover completely.  When the PC-260 is stiff enough to support weight without denting, remove all loose aggregate.  This will result in a 15 ± 1 dry mils (381 ± 25 microns) thick membrane, exclusive of aggregate.  Proceed with Phase 5 as above.

SECOND TOPCOAT

A second topcoat is required for a warranted system. It is difficult to properly coat rubber granules with a single application of topcoat.  Apply desired color of pigmented Polyglaze 100 or AL-50 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²) or Polycoat-Staingard 1110 at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²).  This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane.

OPTIONAL FAST CURE

Topcoat: The addition of Polyglaze Hardener to Polyglaze 100 or Polyglaze AL-50 will shorten cure time to 6 to 8 hours for each coat.  Recoats should occur 8-12 hours of when surface becomes tack-free.

Polyglaze Hardener cannot be added to Polycoat-Staingard 1110.

SLOPING, CONCRETE REPAIR, CRACK FILLING

For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.

FINISHED SYSTEM

When applied as directed, the Polydeck® 160 decking system will provide 55 dry mils (1397 dry microns), exclusive of aggregate, of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING

Polyprime 2180 and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

PC-260 Basecoats: 1 gallon kits (One 1 gallon can net 0.8 gallon of Part-A and One quart can net 0.2 gallon of Part-B) or 5 gallon kits (One 5 gallon pail net 4 gallons of Part-A and One 1 gallon can of Part-B).

Polyglaze 100 or AL-50: 1 gallon cans or 5 gallon pails.

Polycoat-Staingard 1110: 5 gallon kits (One 5 gallon pail net 2 gallons of Part-A and One 5 gallon pail net 3 gallons of Part-B) or 1 gallon kits (One 1 gallon can net 0.44 gallon Part-A and One 1 gallon can net 0.56 gallon Part-B).

LIMITATIONS

The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill pitholes, spallings, scalling, rough and irregular surfaces.  Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates.  Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application.  Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING

The products in this system contain Isocyanates, Solvents, Epoxy Resin and Curatives.

\[ \text{Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material.} \]

\[ \text{Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.} \]

\[ \text{LIMITED WARRANTY} \]

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration through any single penetration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any kind whatsoever, whether expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any kind, including incidental or consequential damages resulting from any claim of any warranty, whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty is given or implied as to the fitness of any product for any particular purpose.  Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.\]

\[ \text{DISCLAIMER} \]

No guidelines, recommendations, statements, and technical data contained herein are based on information which we believe to be reliable and correct, but accuracy and completeness of substrates are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to verify, by his own information, whether, and to what extent, the use of this product is appropriate for the particular situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee the acceptability of end uses for any material. End uses are the only ones for which we can assume any responsibility. Nor do we assume any responsibility for the use of products in the manufacture of any material when end uses are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.

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SYSTEM DESCRIPTION
The Polydeck® 160 decking system is a liquid applied, high performance, polyurethane waterproof system. The system utilizes an epoxy primer, one coat of a fast setting chemically cured two component polyurethane elastomeric basecoat with a rubber aggregate that can be applied at any thickness on concrete, plywood and metal surfaces, and one or two coats of an aliphatic polyurethane topcoat. The Polydeck® 160 decking system is designed to expand and contract with normal structural movements. The Polydeck® 160 decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. It will not soften in heat nor embrittle in cold. The system is designed for use in a wide range of applications. Installed and maintained properly, the Polydeck® 160 decking system will ensure years of service.

FEATURES
- Non-Gassing
- Can Be Applied at Any Thickness
- Good Thermal Stability
- Seamless
- Chemical Resistance
- Meets California VOC and AQMD Requirements, Excluding SCAQMD Areas

TYPICAL USES
- Balconies
- Walkways
- Over Occupied Space

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180 at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Metal should only be primed with Polyprime 2180. Allow Polyprime to become tack free before proceeding to Phase 3.

Phase 3: Apply PC-260 (see mixing instructions for PC-260) over the substrate at a rate of 3 gallons/100 sq. ft. (1.22 liters/m²). Application will require more or less material depending on requirements. Use a notched trowel or squeegee to spread PC-260 evenly over the entire deck resulting in a 46 ± 2 dry mils (1168 ± 51 microns) thick membrane, exclusive of aggregate.

Phase 4: While PC-260 is still wet and starting to gel, broadcast 16-30 white rubber granules into the PC-260 membrane (rubber granules should sink only partially into the basecoat) at a rate of 10 lbs./100 sq. ft. or as required to achieve a slip-resistant finish. The amount of rubber used will vary. When the PC-260 is stiff enough to walk on without denting, remove all loose aggregate.

OPTIONAL SAND AGGREGATE
If a sand aggregate is to be used instead of rubber granules, Phase 3 and Phase 4 should be applied as follows:

Phase 3: Apply PC-260 (see mixing instructions for PC-260) at a rate of 2 gallons/100 sq. ft. (0.82 liters/m²). Use a notched trowel or squeegee to spread PC-260 evenly over the entire deck. Allow to dry before proceeding to Phase 4. This will result in a 3 dry mils (762 ± 25 microns) thick membrane.

Phase 4: Apply a second coat of PC-260 (see mixing instructions for PC-260) over the first coat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Spread PC-260 evenly over the entire deck.

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The following conditions must not be coated with Polycoat

LIMITATIONS

of Part-A and One 1/2 gallon jar net 0.4 gallons of Part-B).

6072 or Poly-I-Gard

Polyglaze Hardener cannot be added to Polycoat-Staingard

coat. Recoats should occur 8-12 hours of when surface

Topcoat:

OPTIONAL FAST CURE

roller. This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane.

OPTIONAL FAST CURE

Topcoat: The addition of Polyglaze Hardener to Polyglaze 100 or Polyglaze AL-50 will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

Polyglaze Hardener cannot be added to Polycoat-Staingard 6072 or Poly-I-Gard® 295.

SLOPING, CONCRETE REPAIR, CRACK FILLING

For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.

FINISHED SYSTEM

When applied as directed, the Polydeck® 160 decking system will provide 55 dry mils (1397 dry microns), exclusive of aggregate, of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING

Polyprime 2180 and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B). PC-260 Basecoats: 1 gallon kits (One 1 gallon can net 0.8 gallon of Part-A and One quart can net 0.2 gallon of Part-B) or 5 gallon kits (One 5 gallon pail net 4 gallons of Part-A and One 1 gallon can of Part-B).

Polyglaze 100 or AL-50: 1 gallon cans or 5 gallon pails.

Polycoat-Staingard 6072: 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B) or 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B).

Poly-I-Gard® 295: 4.4 gallon kits (One 5 gallon pail net 4 gallons of Part-A and One 1/2 gallon jar net 0.4 gallons of Part-B).

LIMITATIONS

The following conditions must not be coated with Polycoat

Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000 psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill pitholes, spallings, scalping, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mill thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING

The products in this system contain Isocyanates, Solvents, Epoxy Resin and Curatives.
POLYDECK® 160SC
58 Dry Mils Decking System
System Data Sheet

SYSTEM DESCRIPTION

Polydeck® 160SC is designed for use in Southern California to be in compliance with air quality standards. The Polydeck® 160SC decking system is a liquid applied, high performance, polyurethane waterproof system. The system utilizes an epoxy primer, one coat of a fast setting chemically cured two component polyurethane elastomeric basecoat with a rubber aggregate, that can be applied at any thickness on concrete, plywood and metal surfaces, and one or two coats of an aliphatic polyurethane topcoat. This system is designed to expand and contract with normal structural movements. The Polydeck® 160SC decking system is a liquid applied, high performance, polyurethane elastomeric basecoat with a rubber aggregate, primer, one coat of a fast setting chemically cured two component polyurethane waterproof system. The system utilizes an epoxy primer, one coat of a fast setting chemically cured two component polyurethane basecoat with a rubber aggregate, that can be applied at any thickness on concrete, plywood and metal surfaces, and one or two coats of an aliphatic polyurethane topcoat. This system is designed to expand and contract with normal structural movements. The Polydeck® 160SC decking system is a liquid applied, high performance, polyurethane elastomeric basecoat with a rubber aggregate, primer, one coat of a fast setting chemically cured two component polyurethane waterproof system.

FEATURES

- Non-Gassing
- Can Be Applied at Any Thickness
- Good Thermal Stability
- Seamless
- Chemical Resistance
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES

- Balconies
- Roof Decks
- Walkways
- Patios
- Over Occupied Space

PRODUCT INSTRUCTIONS

For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION

Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180SC at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Metal should only be primed with Polyprime 2180SC. Allow Polyprime to become tack free before proceeding to Phase 3.

Substrates other than new plywood are to be primed.

Phase 3: Apply PC-260 (see mixing instructions for PC-260) to the substrate at a rate of 3 gallons/100 sq. ft. (1.22 liters/m²). Application will require more or less material depending on requirements. Use a notched trowel or squeegee to spread PC-260 evenly over the entire deck resulting in a 46 ± 2 dry mils (1168 ± 51 microns) thick membrane, exclusive of aggregate.

Phase 4: While PC-260 is still wet and starting to gel, broadcast 16-30 white rubber granules into the PC-260 membrane (rubber granules should sink only partially into the basecoat) at a rate of 10 lbs./100 sq. ft. or as required to achieve a slip-resistant finish. The amount of rubber used will vary. When the PC-260 is stiff enough to walk on without denting, remove all loose aggregate.

Phase 5: Apply only pigmented Polyglaze 100SC or AL-50SC topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results, use a phenolic core roller. Extra care should be taken to prevent air bubbles. This coat will result in an additional 12 ± 2 dry mils (305 ± 51 microns) thick membrane.

OPTIONAL SAND AGGREGATE

If a sand aggregate is to be used instead of rubber granules, Phase 3 and Phase 4 should be applied as follows:

Phase 3: Apply PC-260 (see mixing instructions for PC-260) at a rate of 2 gallons/100 sq. ft. (0.82 liters/m²). Use a notched trowel or squeegee to spread PC-260 evenly over the entire deck. Allow to dry before proceeding to Phase 4. This will result in a 30 ± 1 dry mils (762 ± 25 microns) thick membrane.

Phase 4: Apply a second coat of PC-260 (see mixing instructions for PC-260) to the substrate at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Spread PC-260 evenly over the entire deck. Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh’s minimum hardness, at a rate of 20 lbs./100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. When the sand aggregate has settled, apply the final coat of Polyglaze AL-50SC or EBF-LV at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). This final coat will result in a 58 dry mils (1168 ± 51 microns) thick membrane.
PC-260 is stiff enough to walk on without denting, remove all loose aggregate. This will result in a 15 ± 1 dry mils (381 ± 25 microns) thick membrane, exclusive of aggregate. Proceed with Phase 5 as above.

**SECOND TOPCOAT**

A second topcoat is required for a warranted system. It is difficult to coat rubber granules with a single application of topcoat. Apply desired color of pigmented Polyglaze AL-50SC topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). This coat will result in an additional 12 ± 2 dry mils (305 ± 51 microns) thick membrane.

**OPTIONAL FASTCURE**

Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

**SLOPING, CONCRETE REPAIR, CRACK FILLING**

For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.

**FINISHED SYSTEM**

When applied as directed, the Polydeck® 160SC decking system will provide 58 dry mils (1473 dry microns), exclusive of aggregate, of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

**PACKAGING**

Polyprime 2180SC and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B). PC-260 Basecoats: 1 gallon kits (One 1 gallon can net 0.8 gallon of Part-A and One quart can net 0.2 gallon of Part-B) or 5 gallon kits (One 5 gallon pail net 4 gallons of Part-A and One 1 gallon can of Part-B).

Topcoats: 1 gallon cans or 5 gallon pails.

**LIMITATIONS**

The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines). Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

**WARNING**

The products in this system contain Isocyanates, Solvents, Epoxy Resin and Curatives.
**SYSTEM DESCRIPTION**

The Polydeck® 160MR decking system is a fluid applied, metal reinforced, polyurethane, waterproof decking system. The system utilizes a primer, a sand slurry mixture over attached Metal Lath, one coat of a fast setting chemically cured polyurethane elastomeric basecoat with rubber aggregate, and one or two coats of an aliphatic polyurethane topcoat. The Polydeck® 160MR decking system protects surfaces against spalling, freeze/thaw damage and chemicals commonly encountered on these surfaces. It is an elastomeric system designed to expand and contract with normal structural movements. Installed and maintained properly, Polydeck® 160 MR decking system will ensure years of service.

**FEATURES**
- Seamless
- Elastomeric
- Non-Gassing
- Fast Curing
- Recoatable
- Good Weatherability
- Meets California VOC and AQMD Requirements, Excluding SCAQMD Areas

**TYPICAL USES**
- Walkways/Stairs
- Roof Decks
- Balconies
- Sun Decks
- Over Occupied Space
- Patios

**PRODUCT INSTRUCTIONS**

For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

**APPLICATION**

**Phase 1:** Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

**Phase 2:** Prime metal flashings with Polyprime 2180 at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in 3 dry mils (76 microns) of coating. Allow Polyprime to become tack free before proceeding to Phase 3.

**Phase 3:** Fasten 1.75 gauge, hot dipped, galvanized metal lath to deck. Apply sand slurry mixture* of One Part mixed PC-260 and One Part Sand (see mixing instructions for PC-260; 1:1 ratio by volume, 1/20 grit sand) to substrate through metal lath to encapsulate metal lath at 6 gallons/100 sq.ft.(2.45 liters/m²). *Mixture: Four gallons of PC-260 mixed with Four gallons of dry sand, will yield approximately six gallons of Mixture for 100 sq.ft.

While PC-260 and sand mixture is still wet and starting to gel, broadcast 16-30 white rubber granules onto the PC-260 membrane (rubber granules should sink only partially into the basecoat) at a rate of 10 lbs./100 sq. ft. or as required to achieve a slip-resistant finish. The amount of rubber used will vary. When the PC-260 is stiff enough to walk on without denting, remove all loose aggregate.

**Phase 4:** Apply pigmented Polyglaze 100 or Polyglaze AL-50 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). This coat will result in an additional 10 ± 2 dry mils (254 ± 51 microns) thick coating.

**OPTIONAL RUBBER AGGREGATE**

If a rubber aggregate is to be used instead of sand aggregate, Phase 3 and Phase 4 should be applied as follows:

**Phase 3:** Fasten 1.75 gauge, hot dipped, galvanized metal lath to deck. Apply rubber slurry mixture* of One Part mixed PC-260 and One Part rubber granules (see mixing instructions for PC-260; 1:1 ratio by volume) to substrate through metal lath to encapsulate metal lath at 6 gallons/100 sq.ft.(2.45 liters/m²). *Mixture: Five gallons of PC-260 mixed with Five gallons of rubber granules, will yield approximately six gallons of Mixture for 100 sq.ft. Size and porosity of rubber will vary. While PC-260 and rubber slurry mixture is still wet and starting to gel, broadcast 16-30 white rubber granules onto the PC-260 membrane (rubber granules should sink only
partially into the basecoat) at a rate of 10 lbs./100 sq. ft. or as required to achieve a slip-resistant finish. The amount of rubber used will vary. When the PC-260 is stiff enough to walk on without denting, remove all loose aggregate.

SECOND TOPCOAT
A second topcoat is required for a warranted system. It is difficult to coat rubber granules with a single application of topcoat. Apply desired color of pigmented Polyglaze Polyglaze 100 or Polyglaze AL-50 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane.

OPTIONAL FAST CURE
Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

SLOPING, CONCRETE REPAIR, CRACK FILLING
For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.

FINISHED SYSTEM
When applied as directed, the Polydeck® 160MR decking system will provide 60 dry mils (1524 dry microns) of waterproofing, exclusive of sand slurry and aggregate.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING
Polyprime 2180: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

PC-260 Basecoats: 1 gallon kits (One 1 gallon can net 0.8 gallon of Part-A and One quart can net 0.2 gallon of Part-B) or 5 gallon kits (One 5 gallon pail net 4 gallons of Part-A and One 1 gallon can of Part-B). Topcoats: 1 gallon cans or 5 gallon pails.

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs, spalling, spallings, scalling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Solvents, Epoxy Resin and Curatives.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to the guidelines, specifications and product data sheets, shall be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information which we believe to be reliable and current, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user’s responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for own intended use, application and job situation and user assumes all risk and liability resulting from the use of this product. We do not suggest or guarantee any performance or characteristics herein. Polycoat Products specifically disclaims any implied warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, leveling, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

All guidelines, recommendations, statements, and technical data contained herein are based on information which we believe to be reliable and current, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user’s responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for own intended use, application and job situation and user assumes all risk and liability resulting from the use of this product. We do not suggest or guarantee any performance or characteristics herein. Polycoat Products specifically disclaims any implied warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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POLYDECK® EIGHT HOUR DECK

Polydeck® EIGHT HOUR DECK is designed for a quick installation, one-day balcony/walking deck system. It is an excellent system for re-hab, apartment complexes, and residential applications. Polydeck® EIGHT HOUR DECK can be installed and ready for use within a day. It is a balcony/walking deck system for light service and is a liquid applied, two component, polyurea waterproof system. The system utilizes an epoxy primer, one coat of a polyurea basecoat, and one coat of an aliphatic polyurea topcoat with aggregate. The Polydeck® EIGHT HOUR DECK balcony/walking deck system is a specialized application of elastomeric waterproof coatings designed to expand and contract with normal structural movements. The Polydeck® EIGHT HOUR DECK balcony/walking deck system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. Installed and maintained properly, the Polydeck® EIGHT HOUR DECK balcony/walking deck system will ensure years of service.

FEATURES
- Quick Installation
- User Friendly
- Seamless
- Waterproof
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas when Polyprime 2180SC is used in place of Polyprime 2180.

TYPICAL USES (*With Light Foot Traffic)
- Balconies*
- Walkways*
- Sundecks*
- Stalls*
- Mechanical Rooms*

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4” Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulkling compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 21, 2180 or EBF-LV at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Metal should only be primed with Polyprime 2180. Allow Polyprime to become tack free before proceeding to Phase 3.

Substrates other than new plywood are to be primed.

Phase 3: Apply PC-850 to the substrate at a rate of 2 gallons/100 sq. ft. (0.82 liters/m²) using a plural component, low pressure spray mixing equipment. This coat will result in an additional 30 ± 2 dry mils (762 ± 51 microns) thick membrane.

Phase 4: Within 30 minutes to 3 hours, depending on temperature and humidity, when the coated surface is ready to walk with spike shoes for next coat, apply Poly-l-Gard® 295 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results, use a phenolic core roller.

Immediately broadcast washed, dry, rounded sand, 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh’s minimum hardness, at a rate of 10 lbs/100 sq.ft, or as required to achieve a slip-resistant finish, into the wet Poly-l-Gard® 295 topcoat and backroll to lock in the aggregate.

This coat will result in an additional 16 ± 2 dry mils (406 ± 51 microns) thick membrane, exclusive of aggregate. After allowing to cure a minimum of 16 hours remove all loose aggregate, preferably by vacuum.

SLOPING, CONCRETE REPAIR, CRACK FILLING
For sloping, concrete repair or to fill cracks, use PC-260 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-260.
FINISHED SYSTEM
When applied as directed, the Polydeck® EIGHT HOUR DECK balcony/walking deck system will provide 46 dry mils (1168 microns), exclusive of aggregate, of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING
Polyprime 21: 3 gallon kits (One 3.5 gallon pail net 2 gallons of Part-A & One 1 gallon can of Part-B) or 15 gallon kits (Two 5 gallon pails of Part-A & One 5 gallon pail of Part-B).

Polyprime 2180/2180SC and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

PC-850: 10 gallon kits (One 5 gallon pail of Part-A & One 5 gallon pail of Part-B) or 100 gallon kits (One 50 gallon drum of Part-A & One 50 gallon drum of Part-B).

Poly-I-Gard® 295: 4.4 gal kits (One 5 gallon pail, net 4 gallons of Part-A & one 2 gallon jar, net 0.4 gallons of Part-B).

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnetite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products waives that its products, when properly installed by a state licensed waterproofing contractor according to the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS), have been found to be superior to any competitive products with respect to appearance, color, resisting staining, spalling, scaling, peeling, shrinkage, cracking, or seepage under normal service conditions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products waives that its products, when properly installed by a state licensed waterproofing contractor according to the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS), have been found to be superior to any competitive products with respect to appearance, color, resisting staining, spalling, scaling, peeling, shrinkage, cracking, or seepage under normal service conditions.

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Solvents and Curatives.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products waives that its products, when properly installed by a state licensed waterproofing contractor according to the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS), have been found to be superior to any competitive products with respect to appearance, color, resisting staining, spalling, scaling, peeling, shrinkage, cracking, or seepage under normal service conditions.

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Solvents and Curatives.
SYSTEM DESCRIPTION

The Polydeck® 165 decking system is a waterproof liquid applied polyurethane system. The system utilizes an epoxy primer, one coat of a fast setting water catalyzed polyurethane basecoat with a rubber aggregate that can be applied at any thickness, and one or two coats of an aliphatic polyurethane topcoat. The Polydeck® 165 decking system is designed to expand and contract with normal structural movements. The Polydeck® 165 decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. Polydeck® 165 is resistant to weathering. It will not soften in heat nor embrittle in cold. The system is designed for use in a wide range of applications. Installed and maintained properly, the Polydeck® 165 decking system will ensure years of service.

FEATURES

- PC-550 can be applied at any thickness
- Non-Gassing
- Seamless
- Chemical Resistance
- Recatable
- Meets California VOC and AQMD Requirements, Excluding SCAQMD Areas
- Elastomeric
- Waterproof
- Fast Curing
- Chemical Resistance
- Waterproof
- Recoatable

TYPICAL USES

- Balconies
- Roof Decks
- Walkways
- Patios
- Over Occupied Space

PRODUCT INSTRUCTIONS

For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION

Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply a polyurethane caulking, or PC-550, over all joints, cracks and flashing. Bridge the joints, cracks, and flashings with 4” (10 cm) Straight Jacket pushing it into the PC-550 with a trowel. Using PC-550 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-550 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180 at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Metal should only be primed with Polyprime 2180. Allow Polyprime to become tack free before proceeding to Phase 3.

Substrates other than new plywood are to be primed.

Phase 3: Apply PC-550 (see mixing instructions for PC-550) to the substrate at a rate of 4 gallons/100 sq. ft. (1.63 liters/m²). Use a notched trowel or squeegee to spread PC-550 evenly over the entire deck resulting in a 49 ± 2 dry mils (1245 ± 51 microns) thick membrane, exclusive of aggregate.

Phase 4: While PC-550 is still wet and starting to gel, broadcast 14-30 white rubber granules into the PC-550 membrane at a rate of 10 lbs./100 sq. ft. as required to achieve a slip-resistant finish. The amount of rubber used will vary. When the PC-550 is stiff enough to walk on without denting, remove all loose aggregate.

Phase 5: Apply only pigmented Polyglaze 100 or Polyglaze AL-50 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). For best results, use a phenolic core roller. Extra care should be taken to prevent air bubbles. This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane.

OPTIONAL SAND AGGREGATE

If a sand aggregate is to be used instead of rubber granules, Phase 3 and Phase 4 should be applied as follows:

Phase 3: Apply PC-550 (see mixing instructions for PC-550) at a rate of 3 gallons/100 sq. ft. (1.22 liters/m²). Use a notched trowel or squeegee to spread PC-550 evenly over the entire deck resulting in a 36.75 ± 2 dry mils (933 ± 51 microns) thick membrane.
Phase 4: Apply a second coat of PC-550 (see mixing instructions for PC-550) to the substrate at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Spread PC-550 evenly over the entire deck. Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh's minimum hardness, at a rate of 20 lbs/100 sq. ft. as required to achieve a slip-resistant finish, into the wet second coat, covering it completely. When the PC-550 is stiff enough to walk on without denting, remove all loose aggregate. This will result in a 12 ± 2 dry mils (305 ± 51 microns) thick membrane, exclusive of aggregate. Proceed with Phase 5 as above.

SECOND TOPCOAT
A second topcoat is required for a warranted system. It is difficult to coat rubber granules with a single application of topcoat. Apply desired color of pigmented Polyglaze 100 or Polyglaze AL-50 topcoat at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane.

OPTIONAL FAST CURE
Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

SLOPING, CONCRETE REPAIR, CRACK FILLING
For sloping, concrete repair or to fill cracks, use PC-550 neat or add sand/rubber granules from 0.5 to 1.5 by volume into mixed PC-550.

FINISHED SYSTEM
When applied as directed above, the Polydeck® 165 decking system will provide 60 dry mils (1524 dry microns), exclusive of aggregate, of superior waterproofing protection. Requires a continuous coating application to minimize lines and/or streaking. Any optional adhesion test is to be performed seven days after product application.

PACKAGING
Polyprime 2180 and Polypryme EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

Basecoats: 1 gallon cans or 5 gallon pails.

Topcoats: 1 gallon cans or 5 gallon pails.

LIMITATIONS
The following conditions must not be coated with Polycote Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, mastigene, lightweight concrete, asphalt surfaces and asphalt overlays. Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days. Concrete cleaning (see general guidelines). Polycote Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycote Products assumes no liability for substrate defects.

Field visits by Polycote Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Solvents, Epoxy Resin and Curatives.

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POLYDECK® 355
50 Dry Mils, ICC-ES Evaluated, Class B Fire Rating on 5/8” / 19/32” Plywood
System Data Sheet

SYSTEM DESCRIPTION
The Polydeck® 355 decking system has a class B Fire Rating on 5/8” or 19/32” plywood and is an elastomeric, liquid applied, moisture cured, polyurethane waterproof system. The system utilizes an epoxy or polyurethane primer, two coats of an aromatic polyurethane basecoat and two coats of an aliphatic polyurethane topcoat. The Polydeck® 355 decking system protects surfaces against spalling, freeze/thaw damage and chemicals commonly encountered on these surfaces. It is an elastomeric system designed to expand and contract with normal structural movements. The Polydeck® 355 decking system is a proven fire rated/ waterproofing system for use in a wide range of applications. Installed and maintained properly, the Polydeck® 355 decking system will ensure years of service.

APPROVALS, CODES & TESTING
- Class B Fire Rating on 5/8” or 19/32” Plywood, UBC Standard 32-7, ASTM E-108, UL 790, NFPA 256
- ICC-ES Report ESR-2785
- Class A Fire Rating on Concrete
- Los Angeles City General Approval Report #RR25171
- One-Hour Fire Resistive Construction, UBC Standard No. 710, 1997
- Meets the Criteria of ASTM C-957
- Polydeck® 355 conforms to CCMC exposed cold-applied Elastomeric Roofing Membrane that can withstand exposure to pedestrian traffic in compliance with intent of the National Building Code of Canada 1995.

FEATURES
- Seamless
- Elastomeric
- Chemical Resistance
- Waterproof
- Recoatable
- Meets California VOC and AQMD Requirements, when Polyglaze 400C is used in place of Polyglaze 400.
- Meets Southern California VOC and SCAQMD Requirements, when Polyprime 2180SC is used in place of Polyprime 2180, PC-440SC in place of PC-440, and Polyglaze 400SC in place of Polyglaze 400.

TYPICAL USES
- Walkways / Stairs
- Over Occupied Space
- Patios
- Balconies
- Sun Decks
- Roof Decks

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general information section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply a two-part paste consisting of PC-440/PC-440SC/PC-440SF and PC-50 over all joints, cracks and flashing. Mixing ratio is ½ pint of PC-50 to 1 gallon of PC-440/PC-440SC/PC-440SF (0.24 liters to 3.78 liters) or 1 quart PC-50 to 5 gallons of PC-440/PC-440SC/PC-440SF (0.9 liters to 18.9 liters). Do not mix more material than can be used in 20 minutes. Bridge the joints, cracks, and flashings with 4" (10.2 cm) Straight Jacket Tape, pushing it into the paste with a towel. Over Straight Jacket Tape, apply a stripe coat of the PC-440/PC-440SC/PC-440SF and PC-50 mixture and taper it onto the adjacent surface. Allow the surface to cure for 6 to 8 hours.

Phase 2: Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180/2180SC at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a minimum 3 dry mils (76 microns) thick membrane. Allow Polyprime to become tack free before proceeding to Phase 3.

Substrates other than new plywood are to be primed.

Phase 3: Apply PC-440/PC-440SC/PC-440SF to substrate at a rate of 2 gallons/100 sq. ft. (0.82 liters/m²). For best results, use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed PC-440/PC-440SC/PC-440SF evenly over the entire deck resulting in a minimum of 22 ± 2 dry mils (559 ± 51 microns) thick membrane. Allow PC-440/PC-440SC/PC-440SF to cure before proceeding to phase 4.

Phase 4: Apply a second coat of PC-440/PC-440SC/PC-440SF at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh’s minimum hardness at a rate of 100 lbs./

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100 sq. ft. (4.88 kgsm²), into the wet second coat, covering it completely. This coat will result in an additional minimum 11 ± 2 dry mils (279 ± 51 microns) thick membrane, exclusive of aggregate. After this coat has cured, remove all loose aggregate.

**Phase 5:** Apply desired color of Polyglaze 400/400C/400SC topcoat at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). For best results, use a sprayer. This coat will result in an additional minimum 8 ± 2 dry mils (203 ± 51 microns) thick membrane. Allow this coat to cure before proceeding to Phase 6.

**Phase 6:** Apply a second coat of Polyglaze 400/400C/400SC topcoat at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). This coat will result in an additional minimum 8 ± 2 dry mils (203 ± 51 microns) thick membrane. At 75°F (24°C) and 50% relative humidity, allow 72 hours of cure time before permitting heavy traffic on the finished system.

**OPTIONAL FAST CURE**

**First Basecoat:** The addition of PC-50 will shorten cure time to 4 to 8 hours for each coat. Recoats should occur 12 hours after cure. PC-50 should not be used in the second basecoat, as the sand will not adhere properly.

**Topcoat:** The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

**FINISHED SYSTEM**

When applied as directed above, the Polydeck® 355 decking system will provide minimum 52 dry mils (1320 dry microns), exclusive of aggregate, of superior waterproofing protection, and the assurance of a Class B fire rating over ¾” or 19/32” plywood or a Class A fire rating on concrete.

Requires a continuous coating application to minimize lines and/or streaking. Any optional adhesion test is to be performed seven days after product application.

**PACKAGING**

Polyprime 2180/2180SC: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

PC-440/PC-440SC/PC-440SF: 1 gallon cans or 5 gallon pails.

Polyglaze 400/400C/400SC: 1 gallon cans or 5 gallon pails.

Primers, Basecoats and Topcoats have a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

**LIMITATIONS**

The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Polywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, scallings, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture. The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

**WARNING**

The products in this system contain Isocyanates, Solvent, Epoxy Resin and Curatives.
SYSTEM DESCRIPTION

The Polydeck® 365 decking system is an elastomeric, liquid applied, moisture cured, urethane waterproof system. The system utilizes an epoxy or urethane primer, two coats of an aromatic urethane basecoat and one coat of an aliphatic urethane topcoat. The Polydeck® 365 decking system protects surfaces against spalling, freeze/thaw damage and chemicals commonly encountered on these surfaces. It is an elastomeric system designed to expand and contract with normal structural movements. The Polydeck® 365 decking system is a fire rated/waterproofing system for use in a wide range of applications. This system has excellent chemical resistance and color retention. Installed and maintained properly, the Polydeck® 365 decking system will ensure years of service.

APPROVALS, CODES & TESTING

- Class B Fire Rating on ⅛" or ⅜" Plywood, UBC Standard 32-7, ASTM E-108, UL 790, NFPA 256
- ICC-ES Report ER-4759
- Class A Fire Rating on Concrete
- Los Angeles City General Approval Report #RR25171

FEATURES

- Seamless
- Elastomeric
- Chemical Resistance
- Waterproof
- Recyclable
- Meets California VOC and AQMD Requirements

TYPICAL USES

- Walkways / Stairs
- Balconies & Patios
- Over Occupied Space
- Sun Decks
- Roof Decks

PRODUCT INSTRUCTIONS

For complete information associated with the application of all Polydeck® decking systems, refer to the general guidelines section of the Polycoat Products catalog which describes the surface preparation, job conditions, finishing details and other necessary information.

APPLICATION

Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general information section. Prepare a two-part paste consisting of PC-440 or PC-440SF and PC-50 over all joints, cracks and flashing. Mixing ratio is ½ pint of PC-50 to 1 gallon of PC-440/PC-440SF (0.24 liters per 3.78 liters) or 1 quart PC-50 to 5 gallons of PC-440/PC-440 SF (0.9 liters per 18.9 liters). Do not mix more material than can be used in 20 minutes. Bridge the joints, cracks, and flashings with 4" (10.2 cm) Straight Jacket Tape, pushing it into the paste with a trowel. Over Straight Jacket Tape, apply a stripe coat of the PC-440/PC-440SF and PC-50 mixture and trowel it onto the adjacent surface. Allow the surface to cure for 6 to 8 hours.

Phase 2: If necessary, prime surfaces with Polyprime 21, 2180 or U22 at a rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). Apply using a brush, airless sprayer, or phenolic core roller. This will result in 3 dry mils (76 microns) of coating. Allow Polyprime to become tack free before proceeding to Phase 3.

Primer is optional on new plywood.

Stoop flashings should only be primed with Polyprime 2180.

Phase 3: Apply PC-440 to substrate at a rate of 2 gallons/100 sq. ft. (0.82 liters/m²) or PC-440SF at a rate of 1½ gallons/100 sq. ft. (0.61 liters/m²). For best results use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed PC-440/PC-440SF evenly over the entire deck resulting in a minimum 22 ± 2 dry mils (558 ± 51 microns) thick membrane. Allow PC-440 or PC-440SF to cure a minimum of 16 hours.

Phase 4: Apply a second coat of PC-440 at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²) or PC-440SF at a rate of ½ gallons/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0469 in.; 1.19 mm), 6.5+莫氏最小硬度，at a rate of 100 lbs/100 sq. ft. (4.88 kg/sqm). or to refusal, into the wet second coat, covering it completely. This coat will result in an additional minimum 11 ± 2 dry mils (279 ± 51 microns) thick membrane. After a minimum of 16 hours, remove all loose aggregate, preferably by vacuum.

Phase 5: Apply desired color of Polycoat-Staingard 1110 topcoat at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). This color will result in an additional 8 ± 2 dry mils (203 ± 50 microns) thick membrane. At 70°F and 50% relative humidity allow a minimum of 16 and a maximum of 48 hours for topcoat to cure.
OPTIONAL FAST CURE
Basecoat: The addition of PC-50 will shorten cure time to 4 to 8 hours for each coat. Recoats should occur 12 hours after cure.

FINISHED SYSTEM
When applied as directed above, the Polydeek® 365 decking system will provide minimum 43 dry mills (1092 dry microns), exclusive of aggregate, of superior waterproofing protection, and the assurance of a Class B fire rating over 1/2" or 1/4" plywood or a Class A fire rating on concrete.

PACKAGING
Polyprime 211: 3 gal kits (One 3.5 gal pail net 2 gal of Part-A & One 1 gal can of Part-B) or 15 gal kits (Two 5 gal pails of Part-A & One 5 gal pail of Part-B).
Polyprime 2180 or U22: 2 gal kits (One 1 gal can of Part-A & One 1 gal can of Part-B) or 10 gal kits (One 5 gal pail of Part-A & One 5 gal pail of Part-B).
Basecoats: 1 gallon cans or 5 gallon pails.
Polycoat-Staingard 1110: 5 gal kits (One 5 gal pail net 2 gal of Part-A & One 5 gal pail net 3 gal of Part-B) or 1 gal kits (One 1 gal can net 0.44 gal Part-A & One 1 gal can net 0.56 gal Part-B).

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces, asphalt overlays and where chained or studded tires may be used.
Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair browning, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days. Concrete cleaning (see general guidelines).

On Grade
Polycoat Products Coating Systems should not be subjected to raising water tables or hydrostatic pressure on slab-on-grade decks.
The only acceptable grade of plywood is APA rated exterior grade or better.
The appearance characteristics of the panel grade should be considered.
Plywood should be new or cleaned and sanded (see general guidelines).
Equipment should be cleaned with an urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.
Uncured materials are sensitive to heat and moisture.
A continuous coating application should ensure a deck with no lines or streaks.
The substrate must be structurally sound and sloped for proper drainage.
Polycoat Products assumes no liability for substrate defects.
Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Solvent, Epoxy Resin and Cureatives.

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Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants this products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of the manufacturer which proves to be defective. These are no other warranties by Polycoat Products of any nature whatsoever except as stated herein, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any implied breach of any warranty, whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner not in accord with any label or instructions furnished. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not warranted and are not to be construed as a warranty, either expressed or implied. It is the user’s responsibility to satisfy himself, by his own investigation and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein is the only ones which may exist. Neither the manufacturer shall be liable to the buyer or any third person for any injury, loss or damage direct or indirect arising out of use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these data or any other test data accurately represent all environments.

14722 Spring Avenue Santa Fe Springs, CA 90670-5108 USA  Tel: 562/802-8834  Fax: 562/921-7363  www.polycoatusa.com  Copyright © March 2011 Polycoat Products
The Polydeck® 400 decking system has a class A Fire Rating on 3/4" or 21/32" plywood and is a polyurethane, liquid applied, moisture cured waterproof system. The system utilizes an epoxy primer, two coats of an aromatic polyurethane basecoat and two coats of an aliphatic polyurethane topcoat. The Polydeck® 400 decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. It is an elastomeric system designed to expand and contract with normal structural movements. It will not soften in heat nor embrittle in cold. Polydeck® 400 is a proven fire rated/ waterproofing system for use on a wide range of applications. Installed and maintained properly, the decking system will ensure years of service.

**APPROVALS, CODES & TESTING**
- Class A Fire Rating on 3/4" or 21/32" Plywood, UBC Standard 32-7, ASTM E-108, UL 790, NFPA 256
- ICC-ES Report ESR-2785
- Los Angeles City General Approval Report #RR25171
- One-Hour Fire Resistive Construction, UBC Standard No. 7-1

**FEATURES**
- Seamless
- Chemical Resistance
- Recomatable
- Meets California VOC and AQMD Requirements, when Polyglaze 400C-FR is used in place of Polyglaze 400FR and Polyglaze 400C in place of Polyglaze 400
- Meets Southern California VOC and SCAQMD Requirements, when Polyprime 2180SC is used in place of Polyprime 2180, PC-440SC in place of PC-440, Polyglaze 400SC-FR in place of Polyglaze 400FR, and Polyglaze 400SC in place of Polyglaze 400

**TYPICAL USES**
- Walkways / Stairs
- Over Occupied Space
- Patios
- Balconies
- Sun Decks
- Roof Decks

**PRODUCT INSTRUCTIONS**
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

**APPLICATION**
**Phase 1:** Check area of application to ensure that it conforms to the substrate requirements, as stated in the general information section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply a two-part paste consisting of PC-440/PC-440SC/PC-440SF and PC-50 over all joints, cracks and flashing. Mixing ratio is ½ pint of PC-50 to 1 gallon of PC-440/PC-440SC/PC-440SF (0.24 liters per 3.78 liters) or 1 quart PC-50 to 5 gallons of PC-440/PC-440SC/PC-440SF (0.9 liters per 18.9 liters). Do not mix more material than can be used in 20 minutes. Bridge the joints, cracks, and flashings with 4" (10.2 cm) Straight Jacket Tape, pushing it into the paste with a trowel. Over Straight Jacket Tape, apply a stripe coat of the PC-440/PC-440SC/PC-440SF and PC-50 mixture and taper it onto the adjacent surface. Allow the surface to cure for 6 to 8 hours.

**Phase 2:** Metal, concrete and existing plywood which has been cleaned and sanded should be primed with Polyprime 2180/2180SC at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a minimum 3 dry mils (76 microns) thick membrane. Allow Polyprime to become tack free before proceeding to Phase 3. Substrates other than new plywood are to be primed.

**Phase 3:** Apply PC-440/PC-440SC/PC-440SF to substrate at a rate of 3 gallons/100 sq. ft. (1.2 liters/m²). For best results, use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread PC-440/PC-440SC/PC-440SF evenly over the entire deck resulting in a minimum 33 ± 2 dry mils (838 ± 51 microns) thick membrane. Allow PC-440/PC-440SC/PC-440SF to cure before proceeding to Phase 4.

**Phase 4:** Apply a second coat of PC-440/PC-440SC/PC-440SF at a rate of ½ gallons/100 sq. ft. (0.61 liters/m²) immediately broadcast washed, dry, rounded sand, 20 mesh (0.0331 in.; 0.841 mm), 6.5+ Moh’s minimum hardness at a rate of 100 lbs/100 sq. ft. into the wet second coat, covering it completely. This coat will result in an additional minimum 16 ± 2 dry mils (406 ± 51 microns) thick membrane, exclusive of aggregate. Allow to cure before removing all loose aggregate.
Phase 5: Apply desired color of Polyglaze 400FR/400C-FR/400SC-FR topcoat mixture at a rate of 1½ gallons/100 sq. ft. (0.51 liters/m²). Mixing ratio is 1 part Polyglaze 400FR/400C-FR/400SC-FR Part-1 Powder to 5 parts 400FR/400C-FR/400SC-FR Part-2 Liquid. For best results use a phenolic core roller. This coat will result in an additional minimum 13 ± 2 dry mils (330 ± 51 microns) thick coating. Allow to cure before proceeding to Phase 6.

Phase 6: Apply desired color of Polyglaze 400/400C/400SC topcoat at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). This coat will result in an additional 8 ± 2 dry mils (203 ± 51 microns) thick membrane. At 75°F (24°C) and 50% relative humidity, allow 72 hours of cure time before permitting heavy traffic on the finished system.

OPTIONAL FAST CURE

First Basecoat: The addition of PC-50 will shorten cure time to 4 to 8 hours for each coat. Recoats should occur 12 hours after cure. PC-50 should not be used in the second basecoat, as the sand will not adhere properly.

Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

FINISHED SYSTEM

When applied as directed, the Polydeck® 400 decking system will provide 73 ± 5 dry mils (1854 ± 127 dry microns), exclusive of aggregate, of superior waterproofing protection. Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING

Polyprime 2180/2180SC: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pair of Part-A and One 5 gallon pair of Part-B).

PC-440/PC-440SC/PC-440SF: 1 gallon cans or 5 gallon pails.

Polyglaze 400FR/400C-FR/400SC-FR: 6 gallon kit (One 6 gallon pail containing 1 gallon bag of Polyglaze 400FR Part-1 Powder and One 5 gallon pail containing 5 gallons of Polyglaze 400FR/400C-FR Part-2 Liquid).

Polyglaze 400/400C/400SC: 1 gallon cans or 5 gallon pails.

Primers, Basecoats and Topcoats have a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS

The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Plywood should be new and cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING

The products in this system contain Isocyanates, Solvent, Epoxy Resin and Curatives.
POLYDECK® 410

60 Dry Mils, ICC-ES Evaluated,
Class A Fire Rating on 3/4" or 21/2" Plywood

SYSTEM DESCRIPTION
The Polydeck® 410 decking system is an urethane, liquid applied, moisture cured waterproof system. The system utilizes an epoxy or urethane primer, two coats of an aromatic urethane basecoat and two coats of an aliphatic urethane topcoat. The Polydeck® 410 decking system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on these surfaces. It is an elastomeric system designed to expand and contract with normal structural movements. It will not soften in heat nor embrittle in cold. Polydeck® 410 is a fire rated/waterproofing system for use on a wide range of applications. This system has excellent chemical resistance and color retention. Installed and maintained properly, the decking system will ensure years of service.

APPROVALS, CODES & TESTING
- Class A Fire Rating on 3/4" or 21/2" Plywood, UBC Standard 32-7, ASTM E-108, UL 790, NFPA 256
- ICC-ES Report ER-4789
- Los Angeles City General Approval Report #RR25171

FEATURES
- Seamless
- Elastomeric
- Chemical Resistance
- Waterproof
- Recoatable
- Good Weatherability
- Meets California VOC and AQMD Requirements

TYPICAL USES
- Walkways / Stairs
- Balconies
- Over Occupied Space
- Sun Decks
- Patios
- Roof Decks

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polydeck® decking systems, refer to the general guidelines section of the Polycoat Products catalog which describes the surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general information section. Apply a two-part paste consisting of PC-440 or PC-440 SF and PC-50, over all joints, cracks and flashing. Mixing ratio is ½ pint of PC-50 to 1 gallon of PC-440/PC-440 SF (0.24 liters per 3.78 liters) or 1 quart PC-50 to 5 gallons of PC-440/PC-440 SF (0.9 liters per 18.9 liters). Do not mix more material then can be used in 20 minutes. Bridge the joints, cracks, and flashings with 4" (10.2 cm) Straight Jacket Tape, pushing it into the paste with a trowel. Over Straight Jacket Tape, apply a stripe coat of the PC-440/PC-440 SF and PC-50 mixture and taper into the adjacent surface. Allow the surface to cure for 6 to 8 hours.

Phase 2: Prime concrete surfaces with Polyprime 21 or 2180 at a rate of 1 gallon (mixture of Part-A & Part-B): 300 sq. ft. (0.14 liters/m²). Apply using a brush, airless sprayer or phenolic core roller. This will result in 3 dry mils (76 microns) of coating. Allow Polyprime to become tack free before proceeding to Phase 3.

Primer is optional on new plywood.

Steel flashings should only be primed with Polyprime 2180.

Phase 3: Apply PC-440 to substrate at a rate of 2% gallons/100 sq. ft. (1.02 liters/m²) or PC-440SF at a rate of 1% gallons/100 sq. ft. (0.71 liters/m²). For best results use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread PC-440/PC-440SF evenly over the entire dock resulting in a minimum 27 ± 2 dry mils (665 ± 50 microns) thick membrane. Allow PC-440/PC-440 SF to cure a minimum of 4 to 8 hours.

Phase 4: Apply a second coat of PC-440 at a rate of 1½ gallons/100 sq. ft. (0.61 liters/m²) or PC-440SF at a rate of 1 gallons/100 sq. ft. (0.41 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0460 in.; 1.19 mm), depending on skid resistance requirements, 6.5+ Moh's minimum hardness at a rate of 100 lbs/100 sq. ft., or to refusal, into the wet second coat, covering it completely. This coat will result in an additional minimum 16 ± 2 dry mils (420 ± 50 microns) thick membrane, exclusive of aggregate. Allow to cure a minimum of 16 hours before removing all loose aggregate, preferably by vacuum.

Phase 5: Apply desired color of Polyglaze 400 FR topcoat mixture at a rate of 1½ gallons/100 sq. ft. (0.51 liters/m²). Mixing ratio is 1 part Polyglaze 400 FR Part-1 Powder to 5 parts Polyglaze 400 FR Part-2 Liquid. For best results use a phenolic core roller. This coat will result in an additional 12 ± 2 dry mils (304 ± 50 microns) thick coating. Allow a minimum of 16 hours for topcoat to cure.
Phase 6: Apply desired color of Polycoat-Staingard 1110 topcoat at a rate of 3/4 gallon/100 sq. ft. (0.20 liters/m²). This coat will result in an additional 5 ± 2 dry mils (127 ± 50 microns) thick membrane. At 70°F, 50% relative humidity, allow 72 hours of cure time before permitting heavy traffic on the finished surface.

OPTIONAL FAST CURE

First Basecoat: The addition of PC-50 will shorten cure time to 4 to 8 hours for each coat. Recoats should occur 12 hours after cure. PC-50 should not be used in the second basecoat as the sand will not adhere properly.

Topcoat: The addition of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

FINISHED SYSTEM

When applied as directed above, the Polydeck® 410 deck coating system will provide minimum 63 ± 5 dry mils (1654 ± 100 dry microns), exclusive of aggregate, of superior waterproofing protection.

PACKAGING

Polyprime 21: 3 gallon kits (One 3.5 gallon can with 2 gallons of Part-A and One 1 gallon can of Part-B) or 15 gallon kits (Two 5 gallon parts of Part-A and One 5 gallon Part-B).

Polyprime 2180: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon can of Part-A and One 5 gallon Part-B).

Basecoats: 1 gallon cans or 5 gallon pails.

Polyglaze 400FR: 6 gallon kit (One 6 gallon can containing 1 gallon bag of Polyglaze 400 FR Part-1 Powder & One 5 gallon can containing 5 gallon of Polyglaze 400 FR Part-2 Liquid).

Polycoat-Staingard 1110: 5 gallon kits (One 5 gallon can with 2 gallon of Part-A & one 5 gallon can with 3 gallon of Part-B) or 10 gallon kits (One 5 gallon can with 4.4 gallon Part-A & one 1 gallon can with 0.56 gallon Part-B).

LIMITATIONS

The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, marinesite, lightweight concrete, asphalt surfaces, asphalt overlays and where chained or studded tires may be used.

Concrete must exhibit 3000 psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair browning, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

On Grade

Polycoat Products Coating Systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

Equipment should be cleaned with an urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance characteristics of the panel grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Uncured materials are sensitive to heat and moisture.

A continuous coating application should ensure a deck with no lines or streaks.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING

The products in this system contain Isocyanates, Solvent, Epoxy Resin and Curatives.

Please read all information in the general guidelines, product data sheets, color specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

Polycoat Products warrants the products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products published specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace portion of the product of the manufacturer which prove to be defective. There are no other warranties or liabilities for Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose or in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMERS

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests is not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability arising from the use of this product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.

14722 Spring Avenue, Santa Fe Springs, CA 90670-5108 USA | Tel: 562/802-8834 | Fax: 562/291-7363 | www.polycoatusa.com | Copyright © March 2011 Polycoat Products
SYSTEM DESCRIPTION

The Poly-I-Gard® 246 vehicular deck system is a liquid applied, high solids, moisture cured waterproof system. The system utilizes an epoxy primer and one easy to use high tensile, aromatic polyurethane to complete the system. The Poly-I-Gard® 246 vehicular deck system is a user-friendly application that is specifically designed to be tough and durable enough to withstand vehicular traffic. It is an elastomeric system designed to expand and contract with normal structural movements. The three coat application saves time and labor. Poly-I-Gard® 246 vehicular deck system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on vehicular traffic decks. It will not soften in heat nor embrittle in cold. Installed and maintained properly, the Poly-I-Gard® 246 vehicular deck system will ensure years service.

APPROVALS, CODES & TESTING

- Class A Fire Rating on Concrete, UBC Standard 32-7, ASTM E-108, UL 790, NFPA 256
- ICC-ES Report ESR-2785
- Los Angeles City General Approval Report #RR25171
- Meets the Criteria of ASTM C-957
- Meets the Criteria of ASTM C-1028 Co-efficient of Friction

FEATURES

- Seamless
- Chemical Resistance
- Waterproof
- Recatable
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas when Polyprime 2180SC is used in place of Polyprime 2180 and Poly-I-Gard® 246SC in place of Poly-I-Gard® 246.

TYPICAL USES

- Vehicular Decks
- Over Occupied Space
- Concrete Roofs and Decks
- Walkways and Stairs
- Balconies
- Helicopter Pads

PRODUCT INSTRUCTIONS

For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION

Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general information section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply a two-part paste consisting of PC-440/PC-440SC and PC-50 over all joints, cracks and flashing. Mixing ratio is ½ pint of PC-50 to 1 gallon of PC-440/PC-440SC (0.24 liters per 3.78 liters) or 1 quart PC-50 to 5 gallons of PC-440/PC-440SC (0.9 liters per 18.9 liters). Do not mix more material than can be used in 20 minutes. Bridge the joints, cracks, and flashings with 4” (10.2 cm) Straight Jacket Tape, pushing it into the paste with a trowel. Over Straight Jacket Tape, apply a stripe coat of the PC-440/PC-440SC and PC-50 mixture and taper it onto the adjacent surface. Allow the surface to cure for 6 to 8 hours.

Phase 2: Concrete and metal should be primed with Polyprime 2180 at a rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. Allow Polyprime 2180 to become tack free before proceeding to Phase 3.

Phase 3: Apply Poly-I-Gard® 246/246SC to substrate at a rate of 1½ gallons/100 sq. ft. (0.51 liters/m²). For best results, use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed Poly-I-Gard® 246/246SC evenly over the entire deck resulting in a minimum 14 ± 2 dry mils (356 ± 51 microns) thick membrane. Allow Poly-I-Gard® 246/246SC to cure before proceeding to Phase 4.

Phase 4: Over ramps, turn radii, and other heavy traffic areas only, apply Poly-I-Gard® 246/246SC at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Immediately broadcast washed, dry, rounded sand, 16-20 mesh (0.0469-0.0331 in.; 1.19-0.841 mm), 6.5+ Moh’s minimum hardness at a rate of 10 lbs/100 sq. ft. as required to achieve a slip-resistant finish. This coat will result in an additional minimum 11 ± 2 dry mils (279 ± 51 microns) thick membrane, exclusive of aggregate. Allow Poly-I-Gard® 246/246SC to cure before removing all loose aggregate.
Phase 5: Apply a second coat of Poly-I-Gard® 246/246SC over the entire surface, including heavy traffic areas, at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Immediately broadcast washed, dry, rounded sand (0.0469 in.; 1.19 mm), 6.5+ Mohs' minimum hardness at a rate of 10 lbs/100 sq. ft. or as required to achieve a slip-resistant finish. This coat will result in an additional 11 ± 2 dry mils (279 ± 51 microns) thick membrane, exclusive of aggregate. Allow Poly-I-Gard® 246/246SC to cure before removing all loose aggregate.

Phase 6: Apply the third coat of catalyzed Poly-I-Gard® 246/246SC topcoat at the rate of 1½ gallon/100 sq. ft. (0.51 liters/m²) over the cured Poly-I-Gard® 246 with aggregate. This coat will result in an additional minimum 14 ± 2 dry mils (356 ± 51 microns) thick membrane. At 75°F (24°C) and 50% relative humidity, allow 24 hours before permitting light foot traffic. Keep all vehicular traffic off the finished Poly-I-Gard® 246 vehicular deck system for at least 72 hours.

OPTIONAL FAST CURE
The use of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

FINISHED SYSTEM
When applied as directed, the Poly-I-Gard® 246 vehicular deck system will provide 40 dry mils (1016 dry microns), (ramps, turn radii, and other heavy traffic areas: 50 dry mils, (1270 dry microns) exclusive of aggregate, of superior waterproofing protection and the assurance of a Class A Fire Rating.
Requires a continuous coating application to minimize lines and/or streaking.
Any optional adhesion test is to be performed seven days after product application.

STRIPING
It is recommended that an Epoxy paint be used for line striping.

PACKAGING
Polyprime 2180/2180SC: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).
Poly-I-Gard® 246/246SC: 5 gallon pail or 55 gallon drum net 50 gallons
Primers, Basecoats and Topcoats have a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psl minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair browning, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).
Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Polywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.
The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.
Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain isocyanates, Solvent, Epoxy Resin and Curatives.
**SYSTEM DESCRIPTION**

The Poly-I-Gard® 246OF vehicular deck system is a odor friendly, liquid applied, high solids, moisture cured waterproof system. The system utilizes an epoxy primer and one easy to use high tensile, odor friendly, aromatic polyurethane to complete the system. The Poly-I-Gard® 246OF vehicular deck system is a user-friendly application of an odor friendly coating that is specifically designed to be tough and durable enough to withstand vehicular traffic. It is an elastomeric system designed to expand and contract with normal structural movements. The three coat application saves time and labor. Poly-I-Gard® 246OF vehicular deck system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on vehicular traffic decks. It will not soften in heat nor embrittle in cold. Installed and maintained properly, the Poly-I-Gard® 246OF vehicular deck system will ensure years service.

**FEATURES**

- Odor Friendly
- Chemical Resistance
- Recoatable
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

**TYPICAL USES**

- Vehicular Decks
- Over Occupied Space
- Concrete Roofs and Decks
- Helicopter Pads

**PRODUCT INSTRUCTIONS**

For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

**APPLICATION**

**Phase 1:** Check area of application to ensure that it conforms to the substrate requirements as stated in the general guidelines section of the Polycoat Products catalog. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 or a two-part paste consisting of PC-220OF and PC-50. Bridge the joints, cracks, and flashings with 3" (7.5 cm) Polyester Tape, pushing it into the PC-260 or paste with a trowel. Over Polyester Tape, apply a stripe coat of the PC-260 or PC-220OF and PC-50 mixture and taper it onto the adjacent surface. Mixing ratio is ½ pint of PC-50 to 1 gallon of PC-220OF (0.24 liters per 3.78 liters) or 1 quart PC-50 to 5 gallons of PC-220OF (0.9 liters per 18.9 liters). **Do not mix more material than can be used in 20 minutes.** Allow the surface to cure for 6 to 8 hours.

**Phase 2:** Concrete should be primed with Polyprime 21 or Polyprime 2180SC at a rate of 1 gallon/300 sq ft. Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. Metal should only be primed with Polyprime 2180SC at a rate of 1 gallon/300 sq ft. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Allow Polyprime to become tack free before proceeding to Phase 3.

**Phase 3:** Apply catalyzed Poly-I-Gard® 246OF to substrate at a rate of 1 gallon/100 sq. ft. (0.41 liters m²). For best results, use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed Poly-I-Gard® 246OF evenly over the entire deck resulting in a 14 ± 2 dry mils (356 ± 51 microns) thick membrane. Allow Poly-I-Gard® 246OF to cure before proceeding to Phase 4.

**Phase 4:** Over ramps, turn radii, and other heavy traffic areas only, apply catalyzed Poly-I-Gard® 246OF at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Immediately broadcast washed, dry, rounded sand, 16-20 mesh (0.0469-0.0331 in.; 1.19-0.841 mm), with 8.5+ Moh’s minimum hardness into the wet Poly-I-Gard® 246OF at the rate of 10 lbs./100 sq. ft. or as required to achieve a slip-resistant finish. This coat will result in an additional 14 ± 2 dry mils (356 ± 51 microns) thick membrane, exclusive of aggregate. Allow Poly-I-Gard® 246OF to cure before proceeding to Phase 5.

**Phase 5:** Apply a second coat of catalyzed Poly-I-Gard® 246OF over the entire surface, including heavy traffic areas, at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0469 in.; 1.19 mm),
with 6.5+ Moh’s minimum hardness over the entire surface at a rate of 10 lbs/100 sq. ft. or as required to achieve a slip-resistant finish. This coat will result in an additional 1 ± 2 dry mils (279 ± 51 microns) thick membrane, exclusive of aggregate. Allow Poly-I-Gard® 246OF to cure before proceeding to Phase 6.

**Phase 6:** Apply the third coat of catalyzed Poly-I-Gard® 246OF at the rate of 1 gallon/100 sq. ft. (0.41 liters/m²) over the cured Poly-I-Gard® 246OF with aggregate. This coat will result in an additional 14 ± 2 dry mils (356 ± 51 microns) thick membrane. At 75°F (24°C) and 50% relative humidity, allow 24 hours before permitting light foot traffic. Keep all vehicular traffic off the finished Poly-I-Gard® 246OF vehicular deck system for at least 72 hours. Optional top coat - Polyglaze AL-50, Polyglaze 100.

**OPTIONAL FAST CURE**
The use of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

**FINISHED SYSTEM**
When applied as directed above, the Poly-I-Gard® 246OF vehicular deck system will provide 40 dry mils (1016 dry microns), (ramps, turn radii, and other heavy traffic areas: 50 dry mils, (1270 dry microns)) exclusive of aggregate, of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

**STRIPING**
It is recommended that an Epoxy paint be used for line striping.

**PACKAGING**
Polyprime 21: 3 gallon kits (One 3.5 gallon pail net 2 gallons of Part-A & One 1 gallon can of Part-B) or 15 gallon kits (Two 5 gallon pails of Part-A & One 5 gallon pail of Part-B).

Polyprime 2180SC and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

Poly-I-Gard® 246OF: 5 gallon pail or 55 gallon drum net 50 gallons.

**LIMITATIONS**
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair browning, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scalloping, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

**WARNING**
The products in this system contain Isocyanates, Epoxy Resin and Curatives.
**DESCRIPTION**
Poly-I-Gard® 246SC is a single component, odor friendly, liquid applied, moisture cured, aromatic polyurethane waterproof membrane. This product meets VOC requirements for SCAQMD areas.

**FEATURES**
- Odor Friendly
- Proven Protection
- Economical
- Good Weatherability

**TYPICAL USES**
- Airports
- Helicopter Pads
- Heavy Auto Traffic
- Heavy Pedestrian Traffic
- Stadiums
- Concrete Decks
- Parking Structures

**COLOR**
Stone Grey or Tan

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

**PACKAGING**
5 gallon (18.9 liter) pail with ½ pint (0.24 liter) can of catalyst
55 gallon drum, net fill 50 gallons (189 liters) with 1 quart (0.95 liter) can of catalyst

**MIXING**
Before application, mix Poly-I-Gard® 246SC using a mechanical mixer at slow speed. Add Poly-I-Gard® 246 Catalyst and continue mixing until a homogeneous mixture and color is obtained. Use caution not to entrap air into the material as this may result in pinhole blisters and/or shortened pot life.

**APPLICATION**
For best results, use a squeegee. Airless sprayer or phenolic core roller may be used but extra care should be taken not to cause air bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

Allow coating to cure 16 hours before proceeding to subsequent coats. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

**CURING**
At 75°F (24°C) and 50% relative humidity, allow 24-48 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Poly-I-Gard® 246SC is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Poly-I-Gard® 246SC and mix thoroughly. This accelerated Poly-I-Gard® 246SC will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

**EQUIPMENT CLEANUP**
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

**STORAGE**
Poly-I-Gard® 246SC has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

**LIMITATIONS**
Surfaces must be dry, clean and free of foreign matter.
Surface may be slippery when wet.
Will chalk, fade and discolor over time.
Containers that have been opened must be used as soon as possible.
Do not dilute under any circumstance.

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**TECHNICAL DATA (Based on draw down film)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
</tbody>
</table>
| Dry Film Thickness, exclusive of aggregate, Per coat at 1gal/100 sq.ft. | 14 ± 2 mils
|                                  | 356 ± 50 microns               |
| Hardness, ASTM D-2240            | 85 ± 5 Shore A                 |
| Tear Resistance, Die C, ASTM D-624 | 300 ± 50 pli                  |
|                                  | 52.6 ± 8.8 kNm                 |
| Tensile Strength, ASTM D-412     | 2500 ± 300 psi                |
|                                  | 17.2 ± 2.1 Mpa                 |
| Ultimate Elongation, ASTM D-412  | 500 ± 50%                      |
| Specific Gravity                 | 1.197                          |
| Total Solids by Weight, ASTM D-2369 | 92.5%                        |
| Total Solids by Volume, ASTM D-2697 | 90.0%                        |
| Viscosity at 75°F (24°C)         | 4000 ± 2000cps                |
| Volatile Organic Compounds,      | 0.74 lb/gal                   |
| ASTM D-2369-81                   | 0.74 lb/gal                   |
|                                  | 89 gm/liter                    |

At 75°F (24°C) and 50% relative humidity, allow 24-48 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Poly-I-Gard® 246SC is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Poly-I-Gard® 246SC and mix thoroughly. This accelerated Poly-I-Gard® 246SC will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.
The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**
This product contains Isocyanate and Solvent.
THE Poly-I-Gard® 246SF vehicular deck system is a solvent free, liquid applied, high solids, moisture cured waterproof system. The system utilizes an epoxy primer and one easy to use high tensile, solvent free, aromatic polyurethane to complete the system. The Poly-I-Gard® 246SF vehicular deck system is a user-friendly application of a low odor coating that is specifically designed to be tough and durable enough to withstand vehicular traffic. It is an elastomeric system designed to expand and contract with normal structural movements. The three coat application saves time and labor. Poly-I-Gard® 246SF vehicular deck system can be applied to movements. The three coat application saves time and labor. Poly-I-Gard® 246SF vehicular deck system is a solvent free, liquid applied, high solids, moisture cured waterproof system. The system utilizes an epoxy primer and one easy to use high tensile, solvent free, aromatic polyurethane to complete the system. The Poly-I-Gard® 246SF vehicular deck system is a user-friendly application of a low odor coating that is specifically designed to be tough and durable enough to withstand vehicular traffic. It is an elastomeric system designed to expand and contract with normal structural movements. The three coat application saves time and labor. Poly-I-Gard® 246SF vehicular deck system can be applied to movements. The three coat application saves time and labor.

APPROVALS, CODES & TESTING

- Class A Fire Rating on Concrete, UBC Standard 32-7, ASTM E-108, UL 790, NFPA 256
- ICC-ES Report ESR-2785
- Meets the Criteria of ASTM C-957
- Los Angeles City General Approval Report #RR25171

FEATURES

- Solvent Free
- Seamless
- Low Odor
- Waterproof
- Chemical Resistance
- Recoatable
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES

- Vehicular Decks
- Walkways and Stairs
- Over Occupied Space
- Balconies
- Concrete Roofs and Decks
- Helicopter Pads

PRODUCT INSTRUCTIONS

For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION

Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general information section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply a two-part paste consisting of PC-440/PC-440SC/PC-440SF and PC-50 over all joints, cracks and flashing. Mixing ratio is ½ pint of PC-50 to 1 gallon of PC-440/PC-440SC/PC-440SF (0.24 liters per 3.78 liters) or 1 quart PC-50 to 5 gallons of PC-440/PC-440SC/PC-440SF (0.9 liters per 18.9 liters). Do not mix more material than can be used in 20 minutes. Bridge the joints, cracks, and flashings with 4" (10.2 cm) Straight Jacket Tape, pushing it into the paste with a trowel. Over Straight Jacket Tape, apply a stripe coat of the PC-440/PC-440SC/PC-440SF and PC-50 mixture and taper it onto the adjacent surface. Allow the surface to cure for 6 to 8 hours.

Phase 2: Concrete should be primed with Polypreme 21 at a rate of 1 gallon/300 sq.ft. Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. Metal should only be primed with Polypreme 2180SC at a rate of 1 gallon/300 sq.ft. Allow Polypreme to become tack free before proceeding to Phase 3.

Phase 3: Apply Poly-I-Gard® 246SF to substrate at a rate of ¾ gallon/100 sq. ft. (0.31 liters m²). For best results, use a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread mixed Poly-I-Gard® 246SF evenly over the entire deck resulting in a 12 ± 2 dry mils (305 ± 51 microns) thick membrane. Allow Poly-I-Gard® 246SF to cure before proceeding to Phase 4.

Phase 4: Over ramps, turn radii, and other heavy traffic areas only, apply Poly-I-Gard® 246SF at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Immediately broadcast washed, dry, rounded sand, 16-20 mesh (0.0469-0.0331 in.; 1.19-0.841 mm), with 6.5+ Moh’s minimum hardness into the wet Poly-I-Gard® 246SF at the rate of 10 lbs./100 sq. ft. as required to achieve a slip-resistant finish. This coat will result in an additional 16 ± 2 dry mils (406 ± 51 microns) thick membrane, exclusive of aggregate. Allow Poly-I-Gard® 246SF to cure before proceeding to Phase 5.

Phase 5: Apply a second coat of Poly-I-Gard® 246SF over the
entire surface, including heavy traffic areas, at a rate of ¼ gallon/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded sand, 20 mesh (0.0469 in.; 1.19 mm), with 6.5+ Moh’s minimum hardness over the entire surface at a rate of 10 lbs/100 sq. ft. or as required to achieve a slip-resistant finish. This coat will result in an additional 12 ± 2 dry mils (305 ± 51 microns) thick membrane, exclusive of aggregate. Allow Poly-I-Gard® 246SF to cure before proceeding to Phase 6.

Phase 6: Apply the third coat of Poly-I-Gard® 246SF at the rate of 1 gallon/100 sq. ft. (0.41 liters/m²) over the cured Poly-I-Gard® 246SF with aggregate. This coat will result in an additional 16 ± 2 dry mils (406 ± 51 microns) thick membrane. At 75°F (24°C) and 50% relative humidity, allow 24 hours before permitting light foot traffic. Keep all vehicular traffic off the finished Poly-I-Gard® 246SF vehicular deck system for at least 72 hours.

OPTIONAL FASTCURE

The use of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

FINISHEDSYSTEM

When applied as directed above, the Poly-I-Gard® 246SF vehicular deck system will provide 40 dry mils (1016 dry microns), (ramps, turn radii, and other heavy traffic areas: 50 dry mils, (1270 dry microns)) exclusive of aggregate, of superior waterproofing protection. Requires a continuous coating application to minimize lines and/or streaking. Any optional adhesion test is to be performed seven days after product application.

STRIPING

It is recommended that an Epoxy paint be used for line striping.

PACKAGING

Polyprime 21: 3 gallon kits (One 3.5 gallon pail net 2 gallons of Part-A & One 1 gallon can of Part-B) or 15 gallon kits (Two 5 gallon pails of Part-A & One 5 gallon pail of Part-B).

Poly-I-Gard® 246SF:  5 gallon pail or 5 gallon drum net 50 gallons.

Primers, Basecoats and Topcoats have a shelf life of 1 year for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

The use of Polyglaze Hardener will shorten cure time to 6 to 8 hours for each coat. Recoats should occur 8-12 hours of when surface becomes tack-free.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair browning, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function. New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spillings, scalping, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture. The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING

The products in this system contain Isocyanates, Epoxy Resin and Curatives.
SYSTEM DESCRIPTION
The Poly-I-Gard® 295 vehicular deck system is a solvent free, two-component, rapid setting, liquid applied, high solids, chemically cured waterproof system. The system utilizes an epoxy primer and one easy to use high tensile, solvent free, hybrid aliphatic polyurea to complete the system. The Poly-I-Gard® 295 vehicular deck system is a user friendly application of a low odor coating that is specifically designed to be tough and durable enough to withstand vehicular traffic. It is an elastomeric system designed to expand and contract with normal structural movements. The three coat application saves time and labor. Poly-I-Gard® 295 vehicular deck system will ensure years service.

FEATURES
- Solvent Free
- Low Odor
- Chemical Resistance
- Recurable
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES
- Vehicular Decks
- Over Occupied Space
- Concrete Roofs and Decks
- Helicopter Pads

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2: Concrete should be primed with Polyprime 21 at a rate of 1 gallon/300 sq. ft. Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. Metal should only be primed with Polyprime 2180SC at a rate of 1 gallon/300 sq. ft. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Allow Polyprime to become tack free before proceeding to Phase 3.

Phase 3: Apply Poly-I-Gard® 295 to substrate at a rate of ½ gallons/100 sq. ft. (0.91 liters m²). For best results use a machine, notched trowel or squeegee. Spread the mixed Poly-I-Gard® 295 evenly over the entire deck using a squeegee resulting in a 36 ± 2 dry mils (914 ± 51 microns) thick membrane. Allow Poly-I-Gard® 295 to cure before proceeding to Phase 4.

Phase 4: Apply another coat of Poly-I-Gard® 295 over the entire surface, at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). Immediately broadcast washed, dry, rounded sand, 16-20 mesh (0.0469-0.0331 in.; 1.19-0.841 mm), with 6.5+ Moh’s minimum hardness over the entire surface at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish. This coat will result in an additional 12 ± 2 dry mils (305 ± 51 microns) thick membrane. Allow Poly-I-Gard® 295 to cure before proceeding to Phase 5.

Phase 5: Apply a final coat of Poly-I-Gard® 295 at the rate of 1 gallon/100 sq. ft. (0.41 liters/m²) over the previous coat. Immediately broadcast washed, dry, rounded sand, 16-20 mesh (0.0469-0.0331 in.; 1.19-0.841 mm), with 6.5+ Moh’s minimum hardness over the entire surface at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish. This will result in an additional 16 ± 2 dry mils (406 ± 51 microns) thick membrane. At 75°F (24°C) and 50% relative humidity, allow 24 hours before permitting light foot traffic. Keep all vehicular traffic off the finished Poly-I-Gard® 295 vehicular deck system for at least 72 hours.
FINISHED SYSTEM

When applied as directed above, the Poly-I-Gard® 295 vehicu-
lar deck system will provide 64 dry mils (1625 dry microns),
exclusive of aggregate, of superior waterproofing protection.
Requires a continuous coating application to minimize lines
and/or streaking.

Any optional adhesion test is to be performed seven days
after product application.

STRIPING

It is recommended that an Epoxy paint be used for line strip-
ing.

PACKAGING

Polyprime 21: 3 gallon kits (One 3.5 gallon pail net 2 gallons
of Part-A & One 1 gallon can of Part-B) or 15 gallon kits (Two
5 gallon pails of Part-A & One 5 gallon pail of Part-B).

Polyprime 2180/2180SC and Polyprime EBF-LV: 2 gallon
kits (One 1 gallon can of Part-A and One 1 gallon can of Part-
B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5
gallon pail of Part-B).

Poly-I-Gard® 295: 4.4 gal kits (One 5 gallon pail, net 4 gallons
of Part-A & one ½ gallon jar, net 0.4 gallons of Part-B).

LIMITATIONS

The following conditions must not be coated with Polycoat
Products deck coating systems or products: on below grade
slabs, split slabs with buried membrane, sandwich slabs
with insulation, slabs over unvented metal pan, suspended
pool decks, swimming pools, magnesite, lightweight con-
crete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Con-
crete surfaces to be coated must be trowel finished in com-
pliance with the American Concrete Institute (except that hand
wringeling is not required), followed by a fine hair bleming,
left free of loose particles, and shall be without ridges, pro-
jections, voids and concrete droppings that would be me-
chanically detrimental to coating application or function.

New concrete must be cured for 28 days.

Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected
to rising water tables or hydrostatic pressure on slab-on-
grade decks.

The only acceptable grade of plywood is APA rated exterior
grade or better.

The appearance and physical characteristics of the plywood
and grade should be considered.

Plywood should be new or cleaned and sanded (see gen-
eral guidelines).

Coating should be applied at least 5°F (3°C) above the dew
point.

Coverage rates recommended are based on lab conditions,
applied at 75°F (24°C) ambient temperature and are intended
to be minimum coverage rates on clean, smooth plywood,
and are exclusive of additional amounts needed to fill potholes,
splittings, scalings, rough and irregular surfaces. Porosity
and roughness of the substrate, aggregate size, and product
temperature will affect coverage rates. Material mill thickness
rates are calculated on theoretical coverage for a smooth
substrate and do not account for the actual texture or substrate
conditions in the field or at the time of application. Sample
mockups on the projects are recommended to determine the
exact coverage rates necessary to waterproof the deck to
acceptable standards.

Equipment should be cleaned with a urethane grade
environmentally safe solvent, as permitted under local
regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for
proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the pur-
pose of making technical recommendations only and are not
to supervise or provide quality control on the job site.

WARNING

The products in this system contain Isocyanates, Epoxy
Resin and Curatives.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to manufacturer’s guidelines, recommendations, specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, stripping, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said technical data is not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user’s responsibility to satisfy himself, by his own information and test, to determine suitability of the product for its own intended use. Application and job situation and user assumes all risk and liability resulting from the use of this product. We do not suggest or guarantee results and accept no responsibility for performance or misuse of the product. We do not suggest or guarantee results and accept no responsibility for performance or misuse of the product. We do not suggest or guarantee results and accept no responsibility for performance or misuse of the product.

Coatings should not be subjected to testing, or any other material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to manufacturer’s guidelines, recommendations, specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, stripping, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said technical data is not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user’s responsibility to satisfy himself, by his own information and test, to determine suitability of the product for its own intended use. Application and job situation and user assumes all risk and liability resulting from the use of this product. We do not suggest or guarantee results and accept no responsibility for performance or misuse of the product. We do not suggest or guarantee results and accept no responsibility for performance or misuse of the product. We do not suggest or guarantee results and accept no responsibility for performance or misuse of the product.

Coatings should not be subjected to testing, or any other material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.
The Poly-I-Gard® 295OF vehicular deck system is a two-component, rapid setting, liquid applied, high solids, chemically cured waterproof system. The system utilizes an epoxy primer and one easy to use high tensile, hybrid aliphatic polyurea to complete the system. The Poly-I-Gard® 295OF vehicular deck system is a user friendly application of an odor friendly coating that is specifically designed to be tough and durable enough to withstand vehicular traffic. It is an elastomeric system designed to expand and contract with normal structural movements. The three coat application saves time and labor. Poly-I-Gard® 295OF vehicular deck system can be applied to protect surfaces against spalling, freeze/thaw damage, and chemicals commonly encountered on vehicular traffic decks. It will not soften in heat nor embrittle in cold. Installed and maintained properly, the Poly-I-Gard® 295OF vehicular deck system will ensure years of service.

**FEATURES**
- Odor Friendly
- Elastomeric
- Chemical Resistance
- Recocatable
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

**TYPICAL USES**
- Vehicular Decks
- Over Occupied Space
- Concrete Roofs and Decks
- Helicopter Pads
- Walkways and Stairs
- Balconies

**PRODUCT INSTRUCTIONS**
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

**APPLICATION**

Phase 1:
Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Phase 2:
Concrete should be primed with Polyprime 21 at a rate of 1 gallon/300 sq. ft. Apply using a brush or phenolic core roller. This will result in a 3 dry mils (76 microns) thick membrane. Metal should only be primed with Polyprime 2180SC at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Allow Polyprime to become tack free before proceeding to Phase 3.

Phase 3: Apply Poly-I-Gard® 295OF to substrate at a rate of 2½ gallons/100 sq. ft. (1.02 liters/m²). For best results use a machine, notched trowel or squeegee. Spread the mixed Poly-I-Gard® 295OF evenly over the entire deck using a squeegee resulting in a 37 ± 2 dry mils (940 ± 51 microns) thick membrane. Allow Poly-I-Gard® 295OF to cure before proceeding to Phase 4.

Phase 4: Apply another coat of Poly-I-Gard® 295OF over the entire surface, at a rate of 1 gallon/100 sq. ft. (0.41 liters/m²). Immediately broadcast washed, dry, rounded sand, 16-20 mesh (0.0469-0.0331 in.; 1.19-0.841 mm), with 6.5+ Moh’s minimum hardness over the entire surface at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish. This coat will result in an additional 15 ± 2 dry mils (381 ± 51 microns) thick membrane, exclusive of aggregate. Allow Poly-I-Gard® 295OF to cure before proceeding to Phase 5.

Phase 5: Apply a final coat of Poly-I-Gard® 295OF at the rate of 1 gallon/100 sq. ft. (0.41 liters/m²) over the previous coat. Immediately broadcast washed, dry, rounded sand, 16-20 mesh (0.0469-0.0331 in.; 1.19-0.841 mm), with 6.5+ Moh’s minimum hardness over the entire surface at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish. This will result in an additional 15 ± 2 dry mils (381 ± 51 microns) thick membrane. At 75°F (24°C) and 50% relative humidity, allow 24 hours before permitting light foot traffic. Keep all vehicular traffic off the finished Poly-I-Gard® 295OF vehicular deck system for at least 72 hours.
FINISHED SYSTEM
When applied as directed above, the Poly-I-Gard® 295OF vehicular deck system will provide 67 dry mils (1702 dry microns), exclusive of aggregate, of superior waterproofing protection.
Requires a continuous coating application to minimize lines and/or streaking.
Any optional adhesion test is to be performed seven days after product application.

STRIPING
It is recommended that an Epoxy paint be used for line striping.

PACKAGING
Polyprime 21: 3 gallon kits (One 3.5 gallon pail net 2 gallons of Part-A & One 1 gallon can of Part-B) or 15 gallon kits (Two 5 gallon pails of Part-A & One 5 gallon pail of Part-B).
Polyprime 2180SC and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).
Poly-I-Gard® 295OF: 4.4 gal kits (One 5 gallon pail, net 4 gallons of Part-A & one ½ gallon jar, net 0.4 gallons of Part-B).

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.
Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair blooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function. New concrete must be cured for 28 days.
Concrete cleaning (see general guidelines).

FINISHED SYSTEM
When applied as directed above, the Poly-I-Gard® 295OF vehicular deck system will provide 67 dry mils (1702 dry microns), exclusive of aggregate, of superior waterproofing protection.
Requires a continuous coating application to minimize lines and/or streaking.
Any optional adhesion test is to be performed seven days after product application.

STRIPING
It is recommended that an Epoxy paint be used for line striping.

PACKAGING
Polyprime 21: 3 gallon kits (One 3.5 gallon pail net 2 gallons of Part-A & One 1 gallon can of Part-B) or 15 gallon kits (Two 5 gallon pails of Part-A & One 5 gallon pail of Part-B).
Polyprime 2180SC and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).
Poly-I-Gard® 295OF: 4.4 gal kits (One 5 gallon pail, net 4 gallons of Part-A & one ½ gallon jar, net 0.4 gallons of Part-B).

LIMITATIONS
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.
Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair blooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function. New concrete must be cured for 28 days.
Concrete cleaning (see general guidelines).

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade decks.

The only acceptable grade of plywood is APA rated exterior grade or better.
SYSTEM DESCRIPTION
The Polycoat-PC-IM 129 System is a two component, liquid applied, asphalt extended aromatic polyurethane waterproofing membrane system. The system utilizes two coats of Polycoat-PC-IM 129 with an optional polyester inner-ply mat. This system adheres to asphalt, concrete, wood and metal substrates. It is durable and will provide trouble free waterproofing. It is an elastomeric system designed to expand and contract with normal structural movements. The Polycoat-PC-IM 129 waterproofing system has a watertight monolithic surface. This system has a wide range of uses and is ANSI / NSF-61 approved for contact with Potable Water.

FEATURES
- ANSI / NSF-61 Approved
- Seamless Waterproofing
- Bridges cracks and joints
- Impervious to water and aqueous chemicals
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas when Polyprime 2180SC is used in place of Polyprime 2180.

TYPICAL USES
- Potable Water Containment
- Waterproofing
- Tank Liner
- Pond Liner
- Containment

COLOR
Black, fades to dull black
*Note: Where NSF approval is not required, Polycoat-PC-IM 129 may be topcoated with Pigmented Polyglaze 100 for UV stable color.

COMMON SUBSTRATES
- Asphalt
- Concrete
- Steel
- Wood

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products decking systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Asphalt/Concrete/Steel/Metal
Phase 1: Check area of application to ensure that it conforms to the substrate requirements, as stated in the general guidelines section. Prime all joints, cracks, flashings with approved primers as specified below in Phase 2. Apply PC-260 over all joints, cracks and flashing. Bridge joints, cracks, and flashings with 4" Straight Jacket Tape pushing it into the PC-260 with a trowel. Using PC-260 as a caulking compound will shorten the curing time appreciably over conventional polyurethane caulks. Over reinforcement tape, apply a stripe coat of PC-260 and taper it onto the adjacent surface. Allow the surface to cure for 1 to 2 hours.

Cracks in asphalt/concrete over 1/8" must be filled with Polycoat-PC-IM 129. Place scrim over crack and apply 10-20 mils of Polycoat-PC-IM 129. Allow to cure 2 to 4 hours.

New asphalt and new concrete must be cured a minimum of 28 days prior to application. Old asphalt/concrete must be free of loose aggregate, dirt and be dry. New and old concrete should be Shot-, Water- or Abrasive-Blasted. Grease spots and oil should be cleaned with appropriate cleaners.

Note: To promote adhesion and minimize outgassing, Polyprime should be used on all surfaces except for new plywood, where it is optional.

Phase 2: Prime the required surfaces with Polyprime 2180/2180SC for metal or concrete surfaces or Polyprime U22 for asphalt surfaces at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in 3 dry mils (76 microns) of coating. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft. (0.20 liters/m²); this rate may vary on the porosity of the substrate. Allow Polyprime to become tack free before proceeding to Phase 3.

Phase 3: The first coat of Polycoat-PC-IM 129 (a mixture of Part-A and Part B) should be applied at a rate of 2 gallons/100 sq. ft. (0.82 liters/m²) resulting in 29 ± 2 dry mils (737 ± 51 microns) of membrane. For Roofs, Ponds and Reservoirs immediately embed scrim where required into 10-15 mils of wet coating, overlapping each edge a minimum of 1 inch. Use a dry phenolic core roller to press the scrim into the coating, creating a bond between the coating and the scrim.
On other substrates, skip scrim and proceed to Phase 4. Allow to cure (to touch) before proceeding to Phase 4.

**Phase 4:** Apply the second coat of Polycoat-PC-IM 129 (mixture of Part-A and Part-B) at the rate of 2 gallons/100 sq. ft. (0.82 liters/m²) resulting in 29 ± 2 dry mils (737 ± 51 microns) of membrane.

**FINISHED SYSTEM**
When applied as directed, the Polycoat-PC-IM 129 waterproofing system will provide 58 dry mils (1473 dry microns), exclusive of fabric or topcoat, of superior waterproofing.

Any optional adhesion test is to be performed seven days after product application.

**RECOAT**
At 75°F (24°C) and 50% relative humidity, recoating and multiple or second coats must be completed within eight (8) hours of previous applications of Polycoat-PC-IM129. After this eight (8) hour window, it is necessary to abrade, clean and prime surface prior to recoating.

Abrading shall by grinder or other mechanical means.

**PACKAGING**
Polyprime 2180/2180SC, Polyprime U22 and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

Polycoat-PC-IM 129: 4.5 gallon kits (One ½ gallon jar, net 0.45 gallon of Part-A and One 5 gallon pail net 4.05 gallons of Part-B).

**SCRIM**
Optional: Use Tietex T272 Polyester Scrim or equal.

**LIMITATIONS**
If substrates are not clean and dry, Polycoat-PC-IM 129 will not have good adhesion and the coating over concrete will blister.

Concrete cleaning (see general guidelines).

Concrete/asphalt: the outside temperature should be in a declining mode (installation should be done in the late afternoon).

Coating should be applied at least 5°F (3°C) above the dew point.

New concrete/asphalt and masonry must be cured for 28 days.

Concrete must exhibit 3000-psi minimum strength. Concrete/asphalt and concrete to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scalings, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no liability for substrate defects.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

**WARNING**
The products in this system contain Isocyanates and Solvent.
SYSTEM DESCRIPTION
The Polycoat-Aquaseal® waterproofing system uses a solvent-free, two-component, liquid applied, high solids, bitumen modified polyurethane elastomeric waterproofing membrane. The system utilizes an optional epoxy-polyamine primer and one to three coats of a solvent free bitumen modified polyurethane coating. It is an elastomeric system designed to expand and contract with normal structural movements. The Polycoat-Aquaseal® waterproofing system has a watertight monolithic surface. The Polycoat-Aquaseal® waterproofing system has a wide range of uses for both vertical and horizontal applications. Installed properly, the Polycoat-Aquaseal® waterproofing system will ensure years of service.

FEATURES
- Applied at Any Thickness
- Waterproof
- Solvent-Free
- Fast Curing
- One Day Application
- Elastomeric
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES
- Tunnels
- Plazas
- Planters
- Basements
- Bathrooms/Restrooms
- Foundation Walls
- Between Slabs
- Highway Bridges
- Used with insulation, pavers and/or ballast to create IRMA/PRMA roofing systems.

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Check area of application to ensure it conforms to the substrate requirements. Prime all joints, cracks, and flashings with Polyprime or a thinned coat of Polycoat-Aquaseal® (mixture of Part-A and Part-B). Apply Polycoat-Aquaseal® over all joints, cracks and flashing. Bridge the joints, cracks, and flashings with 4" (10 cm) Straight Jacket Tape pushing it into Polycoat-Aquaseal® with a trowel. Over the reinforcement tape apply a thin coat of Polycoat-Aquaseal® and smooth onto adjacent surface.

Prime the surface with Polyprime U22 at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²), or a thinned coat of Polycoat-Aquaseal® (mixture of Part-A and Part-B). Apply primer using a brush, airless sprayer, or phenolic core roller. This will result in 3 dry mils (76 microns) of coating. *Note: For rough or porous concrete, use Polyprime EBF-LV at an approximate rate of 1 gallon/200 sq. ft.(0.20 liters/m²); this rate may vary on the porosity of the substrate. Allow Polyprime to become tack free before proceeding to Phase 3.

Note: Primer is optional on new vertical masonry walls and new plywood surfaces.

Polycoat-Aquaseal® should be applied at a rate of 4 gallons/100 sq. ft. (1.63 liters/m²) resulting in a 58 ± 2 mils (1473 ± 51 microns) membrane. It is recommended that tightly butted protection boards be installed over the entire coated surface. Back filling may begin 4-6 hours after application.

Polycoat-Aquaseal® may be applied in any thickness desired without additional cure time.

Note: For optimal performance on vertical surfaces, Polycoat Products recommends the use of Polycoat-Aquaseal® V. An additional coat may be necessary to achieve recommended thickness unless material is applied carefully.

FINISHED SYSTEM
When applied as directed above the Polycoat-Aquaseal® waterproofing system will provide 58 dry mils (1473 dry microns) of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING
Polyprime U22 and Polyprime EBF-LV: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

Polycoat-Aquaseal®: 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).
LIMITATIONS
The following conditions must not be coated with Polycoat Products coating systems or products: Concrete over an unvented metal pan, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete and masonry must be cured for 28 days. Concrete cleaning (see General Guidelines).

The only acceptable grade of plywood is APA rated exterior grade or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Plywood should be new or cleaned and sanded (see general guidelines).

Coating should be applied at least 5°F (3°C) above the dew point.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spallings, scalling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycraft Products assumes no liability for substrate defects.

Field visits by Polycraft Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Aromatic Hydrocarbons, Curatives and Solvents.
**POLYCOAT-AQUASEAL® 5000**

58 Dry Mils, Modified Polyurethane Waterproofing Membrane

**System Data Sheet**

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**System Description:** The Polycoat-Aquaseal® 5000 waterproofing system is a user-friendly, high solids, single component, liquid applied, waterproofing membrane for Cured or Green Concrete. Polycoat-Aquaseal® 5000 is available as 5000V for Vertical surfaces and 5000H for Horizontal surfaces. The system uses two coats of a modified polyurethane coating and protection board. It is an elastomeric system designed to expand and contract with normal structural movements. The Polycoat-Aquaseal® 5000 waterproofing system has a wide range of uses for both vertical and horizontal applications. Installed properly, the Polycoat-Aquaseal® 5000 waterproofing system will ensure years of dependable waterproofing protection.

**Approvals, Codes & Testing**
- Meets the Criteria of ASTM E-96
- Meets the Criteria of ASTM C-836

**Features**
- Single Component
- Waterproof
- Durable
- Resistant to Bacterial Growth
- Elastomeric
- User Friendly
- Labor Saving
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas when Polycoat-Aquaseal® 5000SC Horizontal is used in place of Polycoat-Aquaseal® 5000 Horizontal.

**Typical Uses**
- Green Concrete
- Masonry
- Tunnels
- Podiums
- Roof Terraces
- Foundation Walls
- Bathrooms/Restrooms
- Reflecting Pools
- Masonry
- Wood / Metal
- Planters
- Between Slabs
- Plaza Decks
- Parking Decks
- Planter Boxes
- Basements

**Product Instructions**

For complete information associated with the application of all Polycoat Products systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

**Application**

**Phase 1:** Surfaces to be waterproofed must be clean and free of standing water. Concrete slabs should have a light broom finish. Consult with architect or general contractor on concrete curing time before foot traffic is permitted. Any residual release agents must be removed prior to application of Polycoat-Aquaseal® 5000. Check area of application to ensure it conforms to the substrate requirements. All shrinkage and non-moving structural cracks under ¾“ shall be pre-treated with not less than a 30 wet mil coating of Polycoat-Aquaseal® 5000 extending 3” on either side of the crack. Bridge the joints, cracks, and flashings with 4” Straight Jacket Tape, pushing it into Polycoat-Aquaseal® 5000 with a trowel. Over the reinforcement tape, apply a stripe coat of Polycoat-Aquaseal® 5000 and smooth onto adjacent surface. All cracks over ¾“, moving structural cracks and cold joints, shall be routed to ¼” wide by ¾” deep, the area should be primed, a joint backing shall be inserted and the void sealed with an appropriate polyurethane sealant.

**Note:** Primer (Polyprime U22) is optional on plywood, concrete and masonry surfaces.

**Phase 2:** The first coat of Polycoat-Aquaseal® 5000 /5000SC should be applied at a rate of 2 gallons/100 sq. ft. (0.82 liters/m²) resulting in a 27 ± 2 dry mils (686 ± 51 microns) membrane. Allow to cure before applying second coat.

**Phase 3:** The second coat of Polycoat-Aquaseal®/5000SC should be applied at a rate of 2 gallons/100 sq. ft. (0.8 liters/m²) resulting in a 27 ± 2 dry mils (686 ± 51 microns) membrane. At 75°F (24°C) and 50% relative humidity, allow a minimum of 24 hours before checking watertightness.

**Phase 4:** To ensure integrity of the system a flood test should be performed according to the following procedure:

**Step One:** Waterproofed area shall be flood tested for 24 hours after system has cured and prior to installation of protection course.

**Step Two:** Plug drains and place barriers to contain the water.

**Step Three:** Flood test to a depth of 2 inches for the duration of the test.

**Step Four:** Repair any leaks that may appear.
Phase 5: Protect all exposed membrane surfaces by installing Poly Protection-Mat 4 or protection board as per manufacturer's instructions, making sure to but edges together.

FINISHED SYSTEM
When applied as directed above, the Polycoat-Aquaseal® 5000 waterproofing system will provide 58 dry mils (1372 dry microns) of superior waterproofing protection.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING
Polycoat-Aquaseal® 5000 /5000SC: 1 gallon can or 5 gallon pail

LIMITATIONS
The following conditions must not be coated with Polycoat Products coating systems or products: concrete over an unvented metal pan, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

Concrete cleaning (see General Guidelines).

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Surface preparations and cleaning (see general guidelines).

Uncured materials are sensitive to heat and are exclusive of additional amounts needed to fill potholes, spallings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mil thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Aromatic Hydrocarbons, Isocyanates and Solvent.
SYSTEM DESCRIPTION
The Polycoat-Aquatight® waterproofing system is a solvent-free, liquid-applied, high solids, aromatic polyurethane, waterproofing membrane. The system utilizes an epoxy-polyamine primer, two coats of a solvent free aromatic polyurethane polyurea coating and a heavy grit sand aggregate. The Polycoat-Aquatight® waterproofing system is a specialized application of a polyurethane coating as a waterproof underlayment for ceramic tile. The system is durable and will protect surfaces against spalling and freeze/thaw damage. It is an elastomeric system designed to expand and contract with normal structural movements. The system will not soften in heat nor embrittle in cold. The Polycoat-Aquatight® waterproofing system has a wide range of application uses and, installed properly will ensure years of service.

APPROVALS, CODES & TESTING
- ASTM D-751
- ASTM D-1204
- ASTM C-482
- ICC-ES Report ESR-2785

FEATURES
- Waterproof
- Elastomeric
- Durable
- Economical
- Solvent Free
- Low Odor
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES
- Saunas
- Kitchens
- Restrooms
- Steam Rooms
- Shower Pans

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure it conforms to substrate requirements. Prime all joints, cracks, and flashings with Polyprime 21 or U22 (mixture of Part-A & Part-B). Apply a two-part paste consisting of PC-440SF and PC-50 over all joints, cracks and flashing. Mixing ratio is 2 pint of PC-50 to 1 gallon of PC-440SF (0.24 liters per 3.78 liters) or 1 quart PC-50 to 5 gallons of PC-440SF (0.9 liters per 18.9 liters). Do not mix more material than can be used in 20 minutes.

Phase 2: Prime the surface with Polyprime 21 or U22 at a rate of 1 gallon (mixture of Part-A & Part-B)/300 sq.ft. (0.14 liters/m²). Apply using a brush or phenolic core roller. This will result in 3 dry mils (76 microns) of coating. Allow Polyprime to become tack free before proceeding to Phase 3.

Phase 3: Apply a mixture of PC-440SF and PC-50 (1 quart PC-50 to 5 gallons PC-440SF) to the substrate at a rate of 3 gallons/100 sq. ft. (1.22 liters/m²). Do not mix more material than can be used in 20 minutes. For best results, apply using a notched trowel or squeegee. A phenolic core roller may be used but extra care should be taken to prevent air bubbles. Spread PC-440SF and PC-50 mixture evenly over the entire surface resulting in a 42 ± 2 dry mils (1067± 51 microns) membrane. Allow PC-440SF and PC-50 mixture to cure before proceeding to Phase 4.

Phase 4: Apply a second coat of PC-440SF at a rate of ½ gallons/100 sq. ft. (0.62 liters/m²), spread evenly over the entire surface, resulting in a 28 ± 2 dry mils (711± 51 microns) membrane.

Phase 5: When adhering tile directly to the Polycoat-Aquatight® waterproofing system, broadcast washed, dry, angular sand, heavy, 16 grit (0.0469" or 1.18 mm) or larger aggregate into the final coat of PC-440SF. Allow the membrane to cure, remove the excess aggregate, and apply a thin set mortar when ready for tile installation.

When utilizing a mortar bed over the Polycoat-Aquatight® waterproofing system, allow the completed membrane to cure prior to installation of the float. A water test can be
FINISHED SYSTEM
When applied as directed, the Polycoat-Aquatight® waterproofing system will provide 72 dry mils (1829 microns), exclusive of fabric, of superior waterproofing protection.

Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

PACKAGING
Polyprime 21: 3 gallon kits (One 3.5 gallon pail net 2 gallons of Part-A and One 1 gallon can of Part-B) or 15 gallon kits (Two 5 gallon pails of Part-A and One 5 gallon pail of Part-B).

Polyprime U22: 2 gallon kits (One 1 gallon can of Part-A and One 1 gallon can of Part-B) or 10 gallon kits (One 5 gallon pail of Part-A and One 5 gallon pail of Part-B).

PC-440SF: 5 gallon pail or 55 gallon drum net 50 gallons.

LIMITATIONS
The following conditions must not be coated with Polycoat Products coating systems or products: concrete over an unvented metal pan, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New concrete and masonry must be cured for 28 days.

Concrete cleaning (see General Guidelines).

Equipment should be cleaned with a urethane grade environmentally safe solvent, as permitted under local regulations, immediately after use.

Plywood should be new (see general guidelines).

Surface preparations and cleaning (see general guidelines).

For ease of application, solvent free (SF) materials should be applied in temperatures above 60°F (15°C).

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycoat Products assumes no responsibility for substrate defects.

Coverage rates recommended are based on lab conditions, applied at 75°F (24°C) ambient temperature and are intended to be minimum coverage rates on clean, smooth plywood, and are exclusive of additional amounts needed to fill potholes, spillings, scaling, rough and irregular surfaces. Porosity and roughness of the substrate, aggregate size, and product temperature will affect coverage rates. Material mill thickness rates are calculated on theoretical coverage for a smooth substrate and do not account for the actual texture or substrate conditions in the field or at the time of application. Sample mockups on the projects are recommended to determine the exact coverage rates necessary to waterproof the deck to acceptable standards.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates, Solvent, Epoxy Resin and Curatives.

Summary of Test Report Conducted by Ramtech Laboratories on the Polycoat-Aquatight® Waterproofing System

Properties, Test Method, Requirements: US Results

Fungus, ASTM C-836-89, No Mold Growth, Section 4.1: No growth

Seam Strength, Section 4.2, ASTM D-751, 16 lbs/2in. width: 29.4 lbs/2 in. width

Breaking Strength, ASTM D-752-1989, Section 4.3, 170 psi: 385 psi

Dimensional Stability, ASTM D-1204, Section 4.1.0.7% max.: +158°F Long. 0.12%, Trans. -0.082%

Waterproofness, ASTM D-4068, Annex A2, Section 4.1, No water penetration, (24 inch water head): No water penetration

Shear Strength, ASTM C-482, Section 9.12, 50 psi: 7-day, 100 psi (Control); Water Immersion: 7-day, 59 psi: 4-week, 72 psi; 12-week, 60 psi; 100-day, 54 psi
POLYCOAT-AQUASEAL® RESIN
Single Component,
Aromatic Polyurethane Polyurea Resin
System Data Sheet

SYSTEM DESCRIPTION
Polycoat-Aquaseal® Resin is a single component with catalyst, moisture cured, aromatic polyurethane polyurea resin. Polycoat-Aquaseal® Resin is mixed with a catalyst and compatible bituminous material such as dehydrated coal tar, asphalt, asphalt emulsion, residue or heavy bituminous cut or tar from manufacturing processes to provide an elastomeric waterproof membrane. It is important that the compatibility of the bituminous material and Polycoat-Aquaseal® Resin is determined by mixing and testing the application on a small area. The mixture of Polycoat-Aquaseal® Resin and bituminous material should form a homogenous mixture and should cure properly. Water permeability tests and physicals of the system should be verified for intended use. The recommended application uses two or three coats of the bituminous material and Polycoat-Aquaseal® Resin mixture, one or two layers of a suitable fabric reinforcement and a final layer of protection fabric or protection board. Total recommended film thickness is 60 to 80 mils.

FEATURES
❖ Waterproof
❖ Elastomeric
❖ Concrete, Wood and Metal
❖ Seamless
❖ Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES
❖ Plazas
❖ Planters
❖ Highway Bridges
❖ Tunnels
❖ Between Slabs
❖ Foundation Walls
❖ Seamless

FABRIC REINFORCEMENT
❖ Jute
❖ Nylon
❖ Fiber Glass
❖ Polypropylene

COLORS
Clear or Grey

PACKAGING
5 gallon (19 liter) pail or 55 gallon drum, net 50 gallon (189 liters)

MIXING
Mix Polycoat-Aquaseal® Resin and bituminous material in separate containers. Add Polycoat-Aquaseal® Resin Catalyst to Polycoat-Aquaseal® Resin and mix at slow speed using a mechanical mixer with drum paddle attachment. Combine catalyzed Polycoat-Aquaseal® Resin and bituminous material, mix thoroughly to obtain a homogenous mixture. Note: Do not mix more material than can be used within 30 minutes.

VOLUME MIXING RATIO
Standard Application
1 Part catalyzed Polycoat-Aquaseal® Resin and 2 Parts bituminous material**

Economical Application or Prime Coat
1 Part catalyzed Polycoat-Aquaseal® Resin and 4 Parts bituminous material**

**Catalyzed Polycoat-Aquaseal® Resin = 0.5 pint Catalyst per 5 gallons of Polycoat-Aquaseal® Resin or 1 quart Catalyst per 55 gallons of Polycoat-Aquaseal® Resin. The quantity of catalyst may need to be adjusted depending on the quality of the bituminous material.

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.
APPLICATION

Phase 1: If caulking is required a paste mixture can be created by combining Polycot-Aquaseal® Resin mixture with black rubber granules, sand or cement powder to make a trowelable putty. Apply this paste over all joints, cracks and metal flashings and bridge with reinforcement tape, pushing it into the Polycot-Aquaseal® Resin paste mixture with a trowel. Over the reinforcement tape apply a thin coat of Polycot-Aquaseal® Resin mixture and smooth onto adjacent surface.

Phase 2: If a prime coat is necessary, use Polycot-Aquaseal® Resin mixed with bituminous material at a ratio of 1:4 for the first coat.

Phase 3: Apply the first coat of Polycot-Aquaseal® Resin mixture at a rate of 1 1/2 gallons/100 sq. ft. (0.71 liters/m²). Immediately embed reinforcement fabric into the wet coating, butting up the seams tightly. Use a dry roller or wooden roller to press the mat into the coating. Allow to cure before proceeding to Phase 4.

Phase 4: Apply the second coat of Polycot-Aquaseal® Resin at a rate of 1 1/2 gallons/100 sq. ft. (0.71 liters/m²). Allow to cure before proceeding to Phase 5.

Phase 5: Apply the third coat of Polycot-Aquaseal® Resin at a rate of 1 gallon/100 sq. ft. (0.71 liters/m²). Immediately install the final protection fabric or protection board into the wet final coat of Polycot-Aquaseal® Resin mixture, making sure seams overlap 2 inches. Back filling may begin 12 hours after the final coat and fabric or board are installed.

Polycot Products strongly recommends that the Polycot-Aquaseal® Resin be used with a reinforcement fabric and appropriate final protection course.

Completed system may have a very sticky surface, especially if a 1:4 mixing ratio is used. The surface may be dusted with cement powder if desired to help eliminate the stickiness.

CURING

Polycot-Aquaseal® Resin is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Low temperature and/or low humidity extend the cure time. Use caution in batch sizes and thickness of application.

Test mixing a small batch to ascertain pot life and curing time is recommended.

Any optional adhesion test is to be performed seven days after product application.

EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE

Polycot-Aquaseal® Resin has a shelf life of 1 year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS

Use dehydrated bituminous material with the lowest possible moisture content. Higher moisture content will reduce the working life of the material.

Uncured materials are sensitive to heat and moisture.

The substrate must be structurally sound and sloped for proper drainage.

Polycot Products assumes no liability for substrate defects.

Field visits by Polycot Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING

The products in this system contain Isocyanates and Solvent.

Limited Warranty

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a licensed contractor according to specification, will provide a minimum of 10 years service life when applied to a sound, properly prepared substrate, and will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any breach of any warranty, whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, bonding, chemical, stability, shrinkage, peeling, normal wear and tear or improper application by the end user. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of building substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor or applicator.

Disclaimer

All guidelines, recommendations, statements, and technical data contained herein are based on information we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own investigation and test, to determine suitability of the product for its own intended use, and any failure arising out of his use of the product. We do not suggest or guarantee the performance of any product in any specific system or application. It is the user’s responsibility to determine if the product is suitable for the intended use, to conduct any necessary testing, and to order sufficient material. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any breach of any warranty, whether expressed or implied. Polycoat Products assumes no liability for substrate defects.

Warranty or guarantee is being issued with respect to appearance, color, bonding, chemical, stability, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of building substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor or applicator. All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own investigation and test, to determine suitability of the product for its own intended use, and any failure arising out of his use of the product. We do not suggest or guarantee the performance of any product in any specific system or application. It is the user’s responsibility to determine if the product is suitable for the intended use, to conduct any necessary testing, and to order sufficient material. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any breach of any warranty, whether expressed or implied. Polycoat Products assumes no liability for substrate defects.
SYSTEM DESCRIPTION
The Polyseal CR system is a liquid applied, chemically cured polyurethane system. The system utilizes an epoxy primer and two coats of aliphatic polyester polyurethane. Polyseal CR is resistant to chemicals, abrasion and weathering. It will not soften in moderate temperature nor embrittle in cold. The Polyseal CR system is a proven system for use in a wide range of applications.

FEATURES
- Chemical Resistance
- Abrasion Resistant
- Meets USDA Criteria
- UV Resistant
- Meets California VOC and AQMD Requirements when Polycoat-Staingard 1110C is used in place of Polycoat-Staingard 1110. Not for use in SCAQMD Areas.

TYPICAL USES
Horizontal Concrete and Slabs in:
- Power Generating Plants
- Warehouse Floors
- Petrochemical Plants
- Manufacturing Plants
- Pulp and Paper Industry
- Aircraft Hangars
- Milling and Mining Industry

SURFACE PREPARATION
Slabs should be structurally sound and fully cured a minimum of 28 days. Test slabs for vapor drive in accordance with ASTM D-4263.

Repair concrete and install Poly-Caulk® 80 for control joints according to the product data sheet or a Polyurethane joint sealant as necessary. Polyseal CR may crack if applied over an elastomeric joint sealant.

Warranties are issued only on slabs that are mechanically profiled (i.e. shotblasting). Acid etching is not recommended. Remove all curing and parting compounds and other surface hardeners and coatings.

A test patch (4 ft. x 4 ft.) of Polyseal CR should be applied to ensure proper adhesion.

Prior to recoating an existing coating, prime the surface with Polyprime 21 or 2180 and prepare a test patch, as described above, to ensure proper adhesion.

MIXING
Polycoat-Staingard 1110/1110C may not be diluted under any circumstance. Polycoat-Staingard 1110/1110C Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains.

Polycoat-Staingard 1110/1110C has a limited pot life of 1-2 hours at 75°F (24°C) and 50% relative humidity. Complete all preparations before starting the mixing sequence.

Do not hand mix. Use a mechanical mixer at a very low speed for 3 to 4 minutes until a homogeneous mixture is achieved. Keep the blades submerged in the coating to avoid introducing air bubbles.

Atmospheric and slab temperatures must be between 60°F and 85°F during application. Always monitor atmospheric, slab and liquid temperatures when applying Polyseal CR. Lower temperatures will slow and warmer temperatures will accelerate the curing process and affect the pot life.

PRODUCT INSTRUCTIONS
For complete information associated with the application of all Polycoat Products systems and products, refer to the General Guidelines and Technical Bulletin sections of the Polycoat Products catalog, which describes the products, surface preparation, job conditions, finishing details and other necessary information.

APPLICATION
Phase 1: Check area of application to ensure that it conforms to the substrate requirements as stated in the general guideline section. Prime interior and exterior slabs with Polyprime 21 or 2180 using a phenolic core roller at a rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Polyprime to become tack free before proceeding to Phase 2.

Phase 2: Apply Polycoat-Staingard 1110/1110C Pigmented to the substrate at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). For best results, use a notched trowel, squeegee or phenolic core roller. Allow to cure before proceeding to Phase 3.
Phase 3: Apply a second coat of Polycoat-Staingard 1110/1110C Pigmented or Clear at a rate of ¾ gallon/100 sq. ft. (0.31 liters/m²). Polycoat-Staingard 1110 Clear provides superior chemical resistance.

Optional: Polycoat-Staingard 1110/1110C is a high-performance coating and may become slippery when wet. Immediately after the first coat of Polycoat-Staingard 1110, uniformly broadcast a washed, dry, rounded 40 to 90-mesh silica sand into the wet topcoat. Backroll to encapsulate and distribute the aggregate, then apply a recommended final coat of Polycoat-Staingard 1110/1110C within the recommended recoat time.

Polyseal CR will cure completely in 7 days at 75°F (24°C) and 50% relative humidity.

FINISHED SYSTEM
Requires a continuous coating application to minimize lines and/or streaking.

Any optional adhesion test is to be performed seven days after product application.

LIMITATIONS
The following conditions must not be coated with the Polyseal CR system: below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces, asphalt overlays and where chained or studded tires may be used.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

Polycoat-Staingard 1110/1110C within the recommended recoat time.

Concrete must exhibit 3000-psi minimum strength. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

Polycoat-Staingard 1110/1110C within the recommended recoat time.

Polyseal CR should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade applications.

Uncured materials are sensitive to heat and moisture.

Concrete cleaning (see General Guidelines).

The substrate must be structurally sound and sloped for proper drainage.

Do not subject to continuous water immersion.

Do not use where moisture can reach the underside of the coating, or a vapor barrier may be required.

Field visits by Polycoat Products personnel are for the purpose of making technical recommendations only and are not to supervise or provide quality control on the job site.

WARNING
The products in this system contain Isocyanates and Solvents.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from the use of this product. We do not suggest or guarantee performance or suitability of the product for any use. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guidelines, recommendations, specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any kind, including incidental or consequential damages resulting from any claimed breach of any warranty, whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, matching, gloss, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

LIMITED LIABILITY
Polycoat Products assumes no liability for damages, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.

www.polycoatusa.com
**DESCRIPTION**

PC-Crete® 150 is a two component, liquid applied, aromatic, polyurethane-alloy specifically designed to repair concrete and masonry substrates. The new surface will protect concrete from weather, corrosion, erosion, freeze/thaw spalling and chemical attack.

**FEATURES**

- Waterproof
- Excellent Abrasion Resistance
- Good Chemical Resistance
- Repairs Can Be Made in Hot or Cold Weather
- Rapid Cure Allows Traffic to Resume in 30 Minutes

**TYPICAL USES**

- Hairline Cracks
- Thin, Wide or Deep Cracks

**COLORS**

Part-A: Yellow, Part-B: Blue

**PACKAGING**

- 2 gallon kit: One 1 gallon can Part-A and One 1 gallon can Part-B
- 10 gallon kit: One 5 gallon pail Part-A and One 5 gallon pail Part-B

Contact Polycoat Products for availability.

**SURFACE PREPARATION**

Hairline Crack Repair: Blow out the cracks with dry compressed air to remove loose and unsound material.

Large Crack Repair: Remove loose and unsound material in the crack by blowing the cracks with dry compressed air. Fill the cracks with sand that is at least 20 mesh or larger.

**APPLICATION**

The volume mix ratio is 1 part Part-A to 1 part Part-B.

PC-Crete® 150 should be applied using a proportioning dispensing system. This type of system transfers, meters, and mixes the co-reactive Part-A and Part-B components at a very high rate and at the required proportions. It transfers from five or fifty-five gallon containers, through proportioning pumps at the specified ratio of 1:1. Both components are pumped through a disposable static mixing tube with restrictor plugs. The combined mixture can then be dispensed into the gravel or sand prepared crack.

Material left in the static mixing tube will thicken in approximately 2-3 minutes and solidify in 6-10 minutes. Static mixing tube should then be discarded.

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### TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>70 ± 5 Shore D</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>4000 ± 400 psi</td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>7 ± 0.5%</td>
</tr>
<tr>
<td>Compressive Strength**, ASTM C-42</td>
<td>4750 ± 400 psi</td>
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<tr>
<td>Specific Gravity</td>
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<tr>
<td>Part-A</td>
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<tr>
<td>Part-B</td>
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<td>Mixing Ratio by Weight</td>
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<tr>
<td>Mixing Ratio by Volume</td>
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</tr>
<tr>
<td>Viscosity at 75°F (24°C)</td>
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</tr>
<tr>
<td>Part-A</td>
<td>20 ± 5 cps</td>
</tr>
<tr>
<td>Part-B</td>
<td>20 ± 5 cps</td>
</tr>
<tr>
<td>Pot Life at 75°F (24°C), 50% R.H.</td>
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<tr>
<td>Gel Time at 75°F (24°C), 50% R.H.</td>
<td>3-4 mins</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;150°F</td>
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<tr>
<td>Bond Strength to Concrete</td>
<td>Excellent</td>
</tr>
<tr>
<td>Thermal Compatibility to Concrete</td>
<td>Good</td>
</tr>
<tr>
<td><strong>Compressive strength was checked on composite of Silica sand (12 mesh, 6.5 Moh’s minimum hardness) and 18 to 20% of PC-Crete® 150 in a 4&quot; X 8&quot; cylinder.</strong></td>
<td></td>
</tr>
</tbody>
</table>

### CHEMICAL RESISTANCE (Based on ASTM D-814)

PC-Crete® 150 was unaffected by the following chemicals:

**Acidic Chemicals**

- Acetic Acid, 1%
- Acetic Acid, 10%
- Hydrochloric Acid, 1%
- Hydrochloric Acid, 10%
- Sulfuric Acid, 1%
- Sulfuric Acid, 10%

**Basic Chemicals**

- Ammonium Hydroxide, 1%
- Ammonium Hydroxide, 10%

**Oils, Fuels and Other Chemicals**

- Hydraulic Oil
- Motor Oil
- Unleaded Gas (Regular)
- Unleaded Gas (Premium)
- Hexane
- IPA
- MIBK
- Xylene
CURING
PC-Crete® 150 is a rapid cure material that will be dry to touch in approximately 8-20 minutes.

PC-Crete® 150 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time.

Low temperature and/or low humidity will extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
PC-Crete® 150 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Should be used in well-ventilated areas due to its strong odor.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

PC-Crete® 150 is for concrete crack repairs only.

Slippery when wet.

Refer to general guidelines for more information.

WARNING
This product contains Isocyanates and Solvent.
DESCRIPTION:
Polycoat PC-CRETE® U HDT (Heavy Duty Trowel) is a 3-part, 100% solids, aromatic, cementitious urethane mortar trowel system typically applied at 1/4" (6.35mm) to 3/8" (9.52mm) thickness. It has a textured matte finish and can be used to form containment beams, integral cove bases for seamless wall to floor protection, and to slope floors in horizontal applications.

PC-CRETE® U HDT is custom formulated to provide a strong barrier against hydrostatic pressure and thermal shock while delivering a quick turnaround cure time. It is extremely receptive to decorative aggregate broadcast and acts as an aggressive barrier against chemicals, abrasive wear and heavy impact. PC-CRETE® U HDT can also be used to repair concrete surfaces.

PC-CRETE® U HDT has proven its protective strength in cold rooms, freezers and commercial kitchens. It is especially well suited for tough, harsh environments that require a trowel solution applied below 40°F. PC-CRETE® U HDT is the recommended cost-effective solution for flooring contractors interested in avoiding operational downtime.

FEATURES:
- Trowel Applied
- No Blistering, No Chipping
- Can Be Applied Below 40°F
- Quick Return-To-Service (4-6hrs.)
- Excellent Thermal Shock and Impact Resistance
- Superior Protection Against Hydrostatic Pressure
- Meets California VOC and SCAQMD requirements

TYPICAL FLOOR USES:
- Cold Rooms/Freezers
- Commercial Kitchens
- Pharmaceutical
- Food & Beverage
- Manufacturing
- Metal Processing
- Warehouse/Storage
- Electronic Assembly

PACKAGING:
PC-Crete® U HDT is available in pre-packaged kits. Colorant is furnished separately. Each kit consists of:
- One Part A - Urethane Liquid
- One Part B - Hardening Catalyst
- One Part C - 40 lb Bag of Dry Mortar

STORAGE:
All containers should be stored between 45°F to 85°F and kept tightly sealed and out of direct sunlight.

COVERAGE RATE:
Applied at 1/4" (6.35mm) to 3/8" (9.52mm) thickness, PC-CRETE® U HDT provides a dry film thickness coverage of 30 sq. ft. / kit.

Typical Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cure Time at 70°F (24°C) @ 50% R.H.</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Red, Gray, Tan</td>
</tr>
<tr>
<td>Mix Ratio by Volume</td>
<td>1A : 1B</td>
</tr>
<tr>
<td>Coverage Rate</td>
<td>See Guide for Specifications</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>75-80 (Shore D)</td>
</tr>
<tr>
<td>Compressive Strength, ASTM C-579</td>
<td>9,000 (psi)</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-638</td>
<td>2,500 (psi)</td>
</tr>
<tr>
<td>Flexural Strength, ASTM D-580</td>
<td>3,700 (psi)</td>
</tr>
<tr>
<td>Flexural Strength, ASTM D-790</td>
<td>5,100 (psi)</td>
</tr>
<tr>
<td>Adhesion, ASTM D-4541</td>
<td>&gt;400</td>
</tr>
<tr>
<td>Impact Resistance, ASTM D-2794</td>
<td>pass</td>
</tr>
<tr>
<td>UV Resistance, F-52505</td>
<td>no chalking or loss of adhesion</td>
</tr>
<tr>
<td>Water Absorption %, ASTM C-413</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>Flammability, ASTM D-648</td>
<td>&lt;1.07 watts/cm 3</td>
</tr>
<tr>
<td>Flame Spread, ASTM E-84</td>
<td>Class A</td>
</tr>
<tr>
<td>Abrasion, ASTM D-4060</td>
<td>20-30 mgs lost</td>
</tr>
<tr>
<td>Coefficient of Friction, ASTM D-2047</td>
<td>0.9</td>
</tr>
<tr>
<td>Thermal Shock, Mil F-52505</td>
<td>no cracking or loss of adhesion</td>
</tr>
<tr>
<td>Hydrostatic Pressure</td>
<td>12-15lb (psi)</td>
</tr>
<tr>
<td>Density, ASTM C-905</td>
<td>130</td>
</tr>
</tbody>
</table>

CHEMICAL RESISTANCE (Based on ASTM D-814)
PC-CRETE® U HDT was unaffected by the following chemicals:
- Acidic Chemicals
  - Acetic Acid, 1%
  - Acetic Acid, 10%
  - Hydrochloric Acid, 1%
  - Hydrochloric Acid, 10%
  - Sulfuric Acid, 1%
  - Sulfuric Acid, 10%
- Basic Chemicals
  - Ammonium Hydroxide, 1%
  - Ammonium Hydroxide, 10%
- Oils, Fuels and Other Chemicals
  - Hydraulic Oil
  - Motor Oil
  - Unleaded Gas (Regular)
  - Unleaded Gas (Premium)
  - Hexane
  - IPA
  - MIBK

SURFACE PREPARATION:
Polycoat PC-CRETE® U HDT can be applied to a variety of substrates if properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc.

Concrete surfaces must be abrasive blasted to remove all
surface contaminants and laitance. The prepared concrete must have a surface profile equal to CSP 4-6. After initial preparation has been completed, inspect the concrete for bug holes, voids, fins and other imperfections.

LIMITATIONS:
Apply PC-CRETE® U HDT only to dry, properly prepared, uncoated, reinforced concrete floor slabs that have a moisture content of <10%. Do not apply if air temperature is within 5°F of dew point.

PRODUCT INSTRUCTIONS:
For complete information associated with the application of PC-CRETE® U HDT, refer to the general guidelines section of the Polycoat Products catalog that describes surface preparation, job conditions, finishing details and other necessary information.

AGGREGATE MIX:
Start mixer then add PC-CRETE® U HDT Parts A and B (liquids) together and blend for 10 seconds until color is uniform. The volume mix ratio is one part of Part-A to one part of Part-B. Add Part-C (aggregate) using a “mud mixer” for 60 seconds. Temperature will affect mix.

PC-CRETE® U HDT APPLICATION:
PC-CRETE® U HDT should be applied using a circulation pail mixer for 30 seconds. Immediately pour the blended PC-CRETE® U HDT mixture onto the floor and begin application. Trowel, level and roll with a 3/8-inch loop or spiked roller to bring resin to the surface and eliminate trowel marks.

WARNING: The products in this system contain Isocyanates and Solvent.
SYSYSTEM DESCRIPTION:
Polycoat PC-CRETE® U SL (Slurry) is a 100% solids, aromatic cementitious urethane mortar slurry system typically applied at 1/8” (3.17mm) to 3/8” (9.52mm) thickness. It has a textured matte finish and can be used to form containment beams, integral cove bases for seamless wall-to-floor protection or to slope floors in horizontal applications.

PC-CRETE® U SL is custom formulated to provide a strong barrier against hydrostatic pressure and thermal shock while delivering a quick turnaround cure time. It is extremely receptive to decorative aggregate broadcast and acts as an aggressive barrier against chemicals, abrasive wear and heavy impact.

PC-CRETE® U SL has proven its protective strength in cold rooms, freezers and commercial kitchens. It is especially well suited for tough, harsh environments that require a trowel solution applied below 40°F. PC-CRETE® U SL is the recommended cost-effective solution for flooring contractors interested in avoiding operational downtime.

FEATURES:
- No Blistering, No Chipping
- Can Be Applied Below 40°F
- Quick Return-To-Service (4-6hrs.)
- Excellent Thermal Shock and Impact Resistance
- Superior Protection Against Hydrostatic Pressure
- Meets California VOC and SCAQMD requirements

TYPICAL FLOOR USES:
- Cold Rooms/Freezers
- Commercial Kitchens
- Pharmaceutical
- Food & Beverage
- Manufacturing
- Metal Processing
- Warehouse/Storage
- Electronic Assembly

PACKAGING:
PC-CRETE® U SL is available in pre-packaged kits. Colorant is furnished separately. Each kit consists of:
- Part A – Urethane Liquid
- Part B – Hardening Catalyst
- Part C – 40 lb Bag of Dry Mortar

STORAGE:
All containers should be stored between 45°F to 85°F and be kept tightly sealed and out of direct sunlight.

COVERAGE RATE:
Apply Polycoat PC-CRETE® U SL slurry using a 1/2” notched squeegee. Dry film thickness coverage will average:
- 55-60 sq. ft. @ 1/8” (3.17mm)
- 25-30 sq. ft. @ 1/4” (6.35mm)
- 16-20 sq. ft. @ 3/8” (9.52mm)

TYPICAL PHYSICAL PROPERTIES
Cure Time at 70°F (24°C) @ 50% RH

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<td>Flame Spread, ASTM E-84</td>
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</tr>
<tr>
<td>Thermal Shock, Mil F-52505</td>
<td>No cracking or loss of adhesion</td>
</tr>
<tr>
<td>Density, ASTM C-905</td>
<td>130</td>
</tr>
</tbody>
</table>

CHEMICAL RESISTANCE (Based on ASTM D-814)
PC-CRETE® U SL was unaffected by the following chemicals:
- Acidic Chemicals
  - Acetic Acid, 1%
  - Acetic Acid, 10%
  - Hydrochloric Acid, 1%
  - Hydrochloric Acid, 10%
  - Sulfuric Acid, 1%
  - Sulfuric Acid, 10%
- Basic Chemicals
  - Ammonium Hydroxide, 1%
  - Ammonium Hydroxide, 10%
- Oils, Fuels and Other Chemicals
  - Hydraulic Oil
  - Motor Oil
  - Unleaded Gas (Regular)
  - Unleaded Gas (Premium)
  - Hexane
  - IPA
  - MIBK
SURFACE PREPARATION:
Polycoat PC-CRETE® U SL slurry can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc.

Concrete surfaces must be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile equal to CSP 4-6. After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections.

LIMITATIONS:
PC-CRETE® U SL slurry should not be applied in temperatures below 40°F, above 85°F, or when relative humidity is >85%. Apply only to dry, properly prepared, uncoated, reinforced concrete floor slabs that have a moisture content of <10%. Do not apply if air temperature is within 5° F of dew point.

PRODUCT INSTRUCTIONS:
For complete information associated with the application of PC-CRETE® U SL, refer to the general guidelines section of the Polycoat Products catalog that describes the surface preparation, job conditions, finishing details and other necessary information.

PC-Crete® U SL APPLICATION:
The volume mix ratio is 1 part Part-A to 1 part Part-B. PC-CRETE® U SL should be applied using a proportioning dispensing system. Polycoat PC-CRETE® U SL transfers, meters, and mixes the co-reactive Part-A and Part-B components at a very high rate and at the required proportions.

It transfers from five or fifty-five gallon containers through proportioning pumps at the specified ratio of 1:1. Both components are pumped through a disposable static mixing tube with restrictor plugs.

WARNING: The products in this system contain Isocyanates and Solvent.
POLYCOAT-STAINGARD 1110
Aliphatic Polyester Polyurethane Topcoat
Technical Data Sheet

DESCRIPTION
Polycoat-Staingard 1110 is a two component, aliphatic polyester polyurethane for use in moderate to severe chemical environments in indoor or outdoor applications. This product does not meet VOC requirements for SCAQMD areas.

FEATURES
- Color and Gloss Retention
- Impact Resistant
- Chemical Resistance
- Easy Cleanability

TYPICAL USES
- Concrete
- Manufacturing Plants
- Pedestrian Traffic
- Warehouse Floors
- Power Generating Plants
- Storage Tanks
- Food Processing Facilities
- Petrochemical Plants
- Steel Structures & Bridges
- Aircraft Hangars
- Milling and Mining Industry
- Pulp and Paper Industry

COLOR
Clear, Tan and Grey
Custom colors are available. Minimum order of 150 gallons (568 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
5 gallon kit (18.9 liter):
- Clear Kits: One 5 gallon pail, net fill 2.2 gallons (8.3 liters) of Part-A and One 5 gallon pail, net fill 2.8 gallons (10.6 liters) of Part-B.
- Pigmented Kits: One 5 gallon pail, net fill 2 gallons (7.57 liters) of Part-A and One 5 gallon pail, net fill 3 gallons (11.36 liters) of Part-B.

1 gallon kit (3.78 liter):
- Clear Kits: One 1 gallon can, net fill 0.44 gallons (1.67 liters) can containing Part-A and One 1 gallon can, net fill 0.56 gallons (2.12 liters) containing Part-B.
- Pigmented Kits: One 1 gallon, net fill 0.40 gallons (1.51 liters) can containing Part-A and One 1 gallon can, net fill 0.60 gallons (2.27 liters) containing Part-B.

MIXING
Polycoat-Staingard 1110 may not be diluted under any circumstance. Polycoat-Staingard 1110 Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains.

SURFACE PREPARATION
See General Guidelines for additional surface preparation information.

TECHNICAL DATA (Based on draw down film)
- Coverage Rate ........................................ 0.5 gal/100 sq. ft. 0.20 l/m²
- Dry Film Thickness,
  Per coat at ½ gal/100 sq. ft. .......................... 5 ± 2 mils 127 ± 50 microns
- Pot Life at 75°F (24°C), 50% R.H .................. 60-75 minutes
- Flash Point .............................................. 91°F (32.7°C)
- Total Solids by Volume, ASTM D-2697 .......... 63%
- Volatile Organic Compounds, ASTM D-2369-81 ............... 2.8 lbs/gal 337 gm/liter

CHEMICAL RESISTANCE (ASTM D-814)
<table>
<thead>
<tr>
<th>Excellent</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distilled Water</td>
<td>Unleaded</td>
<td>Hexanol</td>
<td>IPA, 99%</td>
</tr>
<tr>
<td>Skydrol</td>
<td>Gasoline</td>
<td>Acetone</td>
<td>Butanol</td>
</tr>
<tr>
<td>Skydrol Jet Fuel</td>
<td>MEK</td>
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<tr>
<td>Hydraulic oil</td>
<td>MIBK</td>
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<td>Motor Oil</td>
<td>Butyl Acetate</td>
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</tr>
<tr>
<td>Toluene</td>
<td>Xylene</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All surfaces must be free of oil, grease, dirt and other contaminants.

Existing Coatings: A test area should be completed before topcoating.

Surface temperature should be between 60-100°F (15.5-37.7°C). Do not apply product unless temperature is at least 5°F (3°C) above the dew point. Re-coat schedule is 8-48 hours depending on the environment.

APPLICATION
Check area of application to ensure that it conforms to the substrate requirements as stated in the general guideline section. Prime interior and exterior floors and slabs.

Apply Polycoat-Staingard 1110 to the substrate at a rate of 0.5 gallon/100 sq. ft. (1.9 liters/m²). Additional coats may be necessary to achieve desired results.

Polycoat-Staingard 1110 is a high-performance coating and may become slippery when wet.

Airless Sprayer: Use Graco 28:1 pump or higher, Binks "Airless" spray gun with Reversa-Clean 0.017-0.019 spray tips and ½" solvent resistant fluid line. Adjust pump pressure to the lowest possible setting that provides proper atomization. Equipment of equal performance is acceptable.
Conventional Spray: Variations of conventional production spray equipment such as pressure pot, air assisted airless or high volume, low pressure systems as supplied by Binks, Graco, Nordson, Devilbiss or equal may be used.

Brush: Use solvent resistant mohair or natural bristle brush with feather edge.

Roller: Use solvent resistant phenolic core, short nap sheepskin or equal natural roller covers.

CURING
At 75°F (24°C) and 50% relative humidity, allow Polycoat-Staingard 1110 cure a minimum of 4 hours. Cure time will vary depending on temperature and humidity. Recoats should occur within 8-12 hours of when surface becomes tack free.

EQUIPMENT CLEANUP
Equipment should be cleaned environmentally safe solvent, as permitted under local regulations immediately after use.

STORAGE
Polycoat-Staingard 1110 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Polycoat-Staingard 1110 should not be applied in areas where the surface will come into continual contact with water.

The uncured materials used in Polycoat-Staingard 1110 are very sensitive to heat and moisture. Higher temperature and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extends the cure time and the use of accelerators may be necessary.

Requires a continuous coating application to minimize lines and/or streaking.

Material remaining after application must be tightly sealed to protect it against curing in its container.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains isocyanates and solvent.
Polycoat-Staingard 1110 Part-A is considered Dangerous Goods. DOT regulations classify it as: UN 1263, Paint, Class 3, PG III, Flammable liquid.
DESCRIPTION
Polycoat-Staingard 1110C is a two component, aliphatic polyester polyurethane for use in moderate to severe chemical environments in indoor or outdoor applications. Polycoat-Staingard 1110C is designed for use in California, excluding SCAQMD Areas, to be in compliance with air quality standards.

FEATURES
- Color and Gloss Retention
- Impact Resistant
- Chemical Resistance
- Meets California VOC and AQMD Requirements, Excluding SCAQMD Areas

TYPICAL USES
- Concrete
- Manufacturing Plants
- Pedestrian Traffic
- Warehouse Floors
- Power Generating Plants
- Storage Tanks
- Food Processing Facilities
- Petrochemical Plants
- Steel Structures & Bridges
- Aircraft Hangars
- Milling and Mining Industry
- Pulp and Paper Industry

COLOR
Clear, Tan and Grey

Custom colors are available. Minimum order of 150 gallons (568 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
5 gallon kit (18.9 liter):
Clear Kits: One 5 gallon pail, net fill 2.10 gallons (7.95 liters) of Part-A and One 5 gallon pail, net fill 2.65 gallons (10.03 liters) of Part-B.
Pigmented Kits: One 5 gallon pail, net fill 1.85 gallons (7.0 liters) of Part-A and One 5 gallon pail, net fill 3.15 gallons (11.9 liters) of Part-B.

1 gallon kit (3.78 liter):
Clear Kits: One 1 gallon can, net fill 0.42 gallons (1.59 liters) can containing Part-A and One 1 gallon can, net fill 0.53 gallons (2.01 liters) containing Part-B.
Pigmented Kits: One 1 gallon, net fill 0.37 gallons (1.40 liters) can containing Part-A and One 1 gallon can, net fill 0.63 gallons (2.38 liters) containing Part-B.

MIXING
Polycoat-Staingard 1110C may not be diluted under any circumstance. Polycoat-Staingard 1110C Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains.

SURFACE PREPARATION
See General Guidelines for additional surface preparation information.

All surfaces must be free of oil, grease, dirt and other contaminants.

Existing Coatings: A test area should be completed before topcoating.

Surface temperature should be between 60-100°F (15.5-37.7°C). Do not apply product unless temperature is at least 5°F (3°C) above the dew point. Re-coat schedule is 8-48 hours depending on the environment.

APPLICATION
Check area of application to ensure that it conforms to the substrate requirements as stated in the general guideline section. Prime interior and exterior floors and slabs.

Apply Polycoat-Staingard 1110C to the substrate at a rate of 0.5 gallon/100 sq. ft. (1.9 liters/m²). Additional coats may be necessary to achieve desired results.

Polycoat-Staingard 1110C is a high-performance coating and may become slippery when wet.

Airless Sprayer: Use Graco 28:1 pump or higher, Binks “Airless” spray gun with Reversa-Clean 0.017-0.019 spray tips and % solvent resistant fluid line. Adjust pump pressure to

TECHNICAL DATA (Based on draw down film)
- Coverage Rate ........................................... 0.5 gal/100 sq. ft. 0.20 l/m²
- Dry Film Thickness, Per coat at ½ gal/100 sq. ft. ................ 5 ± 2 mils 127 ± 50 microns
- Pot Life at 75°F (24°C), 50% R.H ............ 60-75 minutes
- Flash Point .................................................. 91°F (32.7°C)
- Total Solids by Volume, ASTM D-2697 .......... 69%
- Volatile Organic Compounds, ASTM D-2369-81 .................... 2.08 lbs/gal 250 gm/liter

CHEMICAL RESISTANCE (ASTM D-814)
- Excellent
- Good
- Fair
- Poor

Distilled Water
Unleaded Hexanol
IPA, 99%

Skydrol
Gasoline
Acetone

Jet Fuel
MEK

Hydraulic oil
MIBK

Motor Oil
Butyl Acetate

Toluene

Xylene
the lowest possible setting that provides proper atomization. Equipment of equal performance is acceptable.

Conventional Spray: Variations of conventional production spray equipment such as pressure pot, air assisted airless or high volume, low pressure systems as supplied by Binks, Graco, Nordsen, Devilbiss or equal may be used.

Brush: Use solvent resistant mohair or natural bristle brush with feather edge.

Roller: Use solvent resistant phenolic core, short nap sheepskin or equal natural roller covers.

CURING
At 75°F (24°C) and 50% relative humidity, allow Polycoat-Staingard 1110 to cure a minimum of 4 hours. Cure time will vary depending on temperature and humidity. Recoats should occur within 8-12 hours of when surface becomes tack free.

EQUIPMENT CLEANUP
Equipment should be cleaned environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polycoat-Staingard 1110C has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Polycoat-Staingard 1110C should not be applied in areas where the surface will come into continual contact with water.

The uncured materials used in Polycoat-Staingard 1110C are very sensitive to heat and moisture. Higher temperature and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extends the cure time and the use of accelerators may be necessary.

Requires a continuous coating application to minimize lines and/or streaking.

Material remaining after application must be tightly sealed to protect it against curing in its container.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unventilated metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates and Solvent.
DESCRIPTION
Polycoat-Staingard 6000 is a 100% solids by volume, aliphatic polyaspartic coating, two-component, liquid applied, environmentally friendly surface topcoat for waterproofing membrane systems. Polycoat-Staingard 6000 is quick curing and specifically formulated to be installed in thin film applications.

FEATURES
- Quick Cure
- Color Stable
- High Tensile Strength
- Very Durable
- Abrasion Resistant
- Excellent Weatherability
- Topcoat over aromatic polyurea, polyurethane and epoxy applications ranging from 35°F to 130°F, service temperature 0°F to 200°F
- Seamless Waterproofing Membrane
- UV Resistant For Superior Gloss Retention
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES
- Concrete
- Plywood
- Cold Storage Areas
- Food Processing Areas
- Industrial Warehouses
- Chemical Plants
- Pulp and Paper Mills
- Off-Shore Oil Platforms
- Pipeline Barges

COLOR
Clear, Tan and Dolphin Grey.

Custom colors are also available. Minimum order of 100 gallons (378 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
2 gallon kit (7.57 liter): 1 gallon (3.78 liters) can part-A and 1 gallon (3.78 liters) can Part-B.

10 gallon kit is not an in stock item and is available with advanced notice. Contact Polycoat Products for availability.

MIXING
Polycoat-Staingard 6000 may not be diluted under any circumstance. Proportions are premeasured. Polycoat-Staingard 6000 Part-A and Part-B should be mixed individually before combing. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

Do not mix any material that cannot be used within 20-30 minutes.

POLYCOAT-STAINGARD 6000
Aliphatic Polyaspartic Polyurea Topcoat

TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>POLYCOAT-STAINGARD 6000, CLEAR</th>
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<tbody>
<tr>
<td>Mix Ratio by Volume ..............</td>
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<tr>
<td>Coverage Rate ....................</td>
</tr>
<tr>
<td>Dry Film Thickness, exclusive of aggregate,</td>
</tr>
<tr>
<td>Per coat at ½ gal/100 sq. ft. .......</td>
</tr>
<tr>
<td>Pot Life at 75°F (24°C), 50% R.H. ..........</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240 ...............</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624 ........</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412 ..........</td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412 ........</td>
</tr>
</tbody>
</table>
| Specific Gravity,  
  Side-A ................................ | 1.10 |
| Side-B ................................ | 1.06 |
| Total Solids by Weight, ASTM D-2369 ... | 100% |
| Total Solids by Volume, ASTM D-2697 ... | 100% |
| Viscosity at 75°F (24°C),  
  Side-A ................................ | 1100 ± 300cps |
| Side-B ................................ | 3600 ± 300cps |
| Ultimate Elongation, ASTM D-412 ........ | 70 ± 10% |
| Specific Gravity,  
  Side-A ................................ | 1.10 |
| Side-B ................................ | 1.06 |
| Total Solids by Weight, ASTM D-2369 ... | 100% |
| Total Solids by Volume, ASTM D-2697 ... | 100% |
| Viscosity at 75°F (24°C),  
  Side-A ................................ | 1100 ± 300cps |
| Side-B ................................ | 3600 ± 300cps |
| Ultimate Elongation, ASTM D-412 ........ | 70 ± 10% |

TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>POLYCOAT-STAINGARD 6000, PIGMENTED</th>
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<tbody>
<tr>
<td>Mix Ratio by Volume ..................</td>
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<tr>
<td>Coverage Rate ........................</td>
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<tr>
<td>Dry Film Thickness, exclusive of aggregate,</td>
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<tr>
<td>Per coat at ½ gal/100 sq. ft. .......</td>
</tr>
<tr>
<td>Pot Life at 75°F (24°C), 50% R.H. ..........</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240 ...............</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624 ........</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412 ..........</td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412 ........</td>
</tr>
</tbody>
</table>
| Specific Gravity,  
  Side-A ................................ | 1.10 |
| Side-B ................................ | 1.24 |
| Total Solids by Weight, ASTM D-2369 ... | 100% |
| Total Solids by Volume, ASTM D-2697 ... | 100% |
| Viscosity at 75°F (24°C),  
  Side-A ................................ | 1100 ± 300cps |
| Side-B ................................ | 3600 ± 300cps |
| Ultimate Elongation, ASTM D-412 ........ | 70 ± 10% |

APPLICATION
Polycoat-Staingard 6000 can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under low pressure. Polycoat-Staingard 6000 should be applied at a minimum film thickness of 5 mils. It should be noted that the heavier the application, the longer the curing process takes.

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Apply Polycoat-Staingard 6000 evenly over the entire deck. For best results, use an airless sprayer. A phenolic resin core roller may be used, but extra care should be taken not to cause air bubbles.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 3-4 hours. Cure time will vary depending on temperature and humidity.

Allow 6 hours before permitting light pedestrian traffic and at least 24-48 hours before permitting heavy pedestrian traffic on to the finished surface.

Uncured Polycoat-Staingard 6000 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polycoat-Staingard 6000 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.

Surface may be slippery when wet.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products specifications and product data sheets or a sound, properly prepared substrate, at will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, shrinking, peeling, normal wear and tear or improper application by the user. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee the performance results of any specific application. We do not recommend products for other than the conditions for which they are intended.

Polycoat Products is not responsible for any applications made, whether by writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.

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DESCRIPTION
Polycoat-Staingard 6072 is an aliphatic polyaspartic, environmentally friendly surface topcoat for waterproofing membrane systems. Polycoat-Staingard 6072 is quick curing and specifically formulated to be installed in thin film applications. Polycoat-Staingard 6072SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES
- Quick Cure
- Color Stable
- High Tensile Strength
- High Gloss
- Abrasion Resistant
- Very Durable
- Topcoat over aromatic polyurea, polyurethane and epoxy applications ranging from 35°F to 130°F, service temperature 0°F to 200°F
- Excellent Weatherability
- Seamless Waterproofing Membrane
- UV Resistant For Superior Gloss Retention
- For use in SCAQMD areas, use only Polycoat-Staingard 6072SC

TYPICAL USES
- Concrete
- Plywood
- Cold Storage Areas
- Food Processing Areas
- Industrial Warehouses
- Pulp and Paper Mills
- Chemical Plants
- Fertilizer Plants
- Off-Shore Oil Platforms
- Pipeline Barges

COLOR
Clear, Tan and Dolphin Grey.

Custom colors are also available. Minimum order of 100 gallons (378 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
2 gallon kit (7.57 liter): One 1 gallon (3.78 liters) can part-A and One 1 gallon (3.78 liters) can Part-B.

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

10 gallon kit is not a stock item and is available with minimum order of 100 gallons (378 liters).

MIXING
Polycoat-Staingard 6072 may not be diluted under any circumstance. Polycoat-Staingard 6072 Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

Do not mix any material that cannot be used within 45 minutes.
APPLICATION
Polycoat-Staingard 6072 can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under low pressure. Polycoat-Staingard 6072 should be applied at a minimum film thickness of 5 mls. It should be noted that the heavier the application, the longer the curing process takes.

Apply Polycoat-Staingard 6072 evenly over the entire deck. For best results, use an airless sprayer. A phenolic resin core roller may be used, but extra care should be taken not to cause air bubbles.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 2-4 hours.

Allow 6 hours before permitting light pedestrian traffic and at least 24-48 hours before permitting heavy pedestrian traffic on to the finished surface.

Uncured Polycoat-Staingard 6072 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polycoat-Staingard 6072 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.

Surface may be slippery when wet.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sand, asphalt surfaces and asphalt overlays.

PRODUCTS deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sand, asphalt surfaces and asphalt overlays.

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself by his own investigation and trial, to determine suitability of the products for his intended use. Application and job situation and user assumes all risk and liability resulting from his use of this product. We do not suggest or guarantee that any injury or damage will result by following the technical information provided herein.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to our guidelines, specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any cost, including incidental or consequential damages resulting from any defect or non-defect of any warranty whether expressed or implied. Polycoat Products shall not be responsible for any injury or damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repair by owner, general contractor, or applicator.

DISCLAIMER

Disclaimer: All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself by his own investigation and trial, to determine suitability of the product for his intended use. Application and job situation and user assumes all risk and liability resulting from the use of this product. We do not suggest or guarantee that any injury or damage will result by following the technical information provided herein.

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DESCRIPTION
Straight Jacket Tape is a 20 x 20 mesh fiberglass tape.

FEATURES
❖ Excellent Reinforcement of Stress Areas

TYPICAL USES
Straight Jacket Tape is used in the Fire Rated Polydeck® decking systems.

Provides excellent reinforcement for:
❖ Joints
❖ Seams
❖ Cracks
❖ Flashings
❖ Concrete
❖ Plywood
❖ Other High Stress Areas

COLOR
Off-White

PACKAGING
Single Rolls - 4" x 150'.

Sold Individually or in Cases of 18 Rolls.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage per roll, length, observed</td>
<td>150 ft</td>
<td>45.7 meters</td>
</tr>
<tr>
<td>Thickness, observed</td>
<td>0.007 in</td>
<td>0.18 mm</td>
</tr>
<tr>
<td>Average weight, observed</td>
<td>1.9 oz/yd²</td>
<td>64.4 gm/m²</td>
</tr>
<tr>
<td>Tensile strength, ASTM D-1668 II, Warp</td>
<td>85 psi</td>
<td>0.6 MPa</td>
</tr>
<tr>
<td>Fill</td>
<td>85 psi</td>
<td>0.6 MPa</td>
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<td>Thread, ASTM D-1668 II, Warp</td>
<td>20</td>
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</tr>
<tr>
<td>Fill</td>
<td>20</td>
<td></td>
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<tr>
<td>Yarn, ASTM D-1668 II, Warp</td>
<td>150 - 1/0</td>
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</tr>
<tr>
<td>Fill</td>
<td>150 - 1/0</td>
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</table>
Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

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DESCRIPTION
Polyester Tape is a spun bonded, non-woven, polyester-web tape.

FEATURES
- Excellent Reinforcement of Stress Areas

TYPICAL USES
Polyester Tape is used in many Polydeck® decking systems.

Provides excellent reinforcement for:
- Joints
- Seams
- Cracks
- Flashings
- Concrete
- Plywood
- Other High Stress Areas

COLOR
White

PACKAGING
Single Rolls - 3" x 375'.

Sold Individually or in Cases of 12 Rolls.

<table>
<thead>
<tr>
<th>TECHNICAL DATA</th>
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<td>Coverage per roll, length, observed .......... 375 ft</td>
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<tr>
<td>Thickness, observed ........................................ 0.0087 in</td>
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<td>Average weight, ASTM D-1117 .................. 1.50 oz./yd²</td>
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<tr>
<td>Grab tensile, ASTM D-1682, Machine Direction .................. 44 psi</td>
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<tr>
<td>Cross Machine Direction ........................... 35 psi</td>
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<tr>
<td>Strip elongation at Break, ASTM D-1682, Machine Direction .................. 52%</td>
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<tr>
<td>Cross Machine Direction ......................... 3%</td>
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<tr>
<td>Trapezoid Tear Strength, ASTM D-2263, Machine Direction .................. 18.5 lbs</td>
</tr>
<tr>
<td>Mullen Burst, ASTM D-774 ......................... 49 lbs</td>
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</tbody>
</table>

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LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, testing, chalking, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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DESCRIPTION
Super Seal Tape is a 9 mil thick laminated spun-bonded polyester substrate reinforced with hybrid polyester fibers. These fibers have been specifically created to provide high modulus of strength on initial impact. The adhesive is a highly aggressive acrylic system that delivers high tack and high shear strength. This product has an excellent adhesion to metal or wood. The adhesive has excellent cold temperature and condensation resistance with an extremely wide application gradient and a built-in ultra violet stabilizer system.

FEATURES
- Ultra-Violet Stable
- Labor Saving
- Field or Shop Applied to Substrates
- Adhesion to most common construction metals
- Compatible with most coatings
- User Friendly
- Fast Tack Set
- Waterproof
- Coating Ready

TYPICAL USES
- Balcony Flashing Tape
- Roof Repair
- Coatings over metal
- Basements
- Roofing Joints
- Foundation Walls
- Green Roof Waterproofing
- Balcony and Breezeway Waterproofing

COLOR
White

PACKAGING
Widths: 4”, 8”, 12”, 16”, 24” and 48” rolls
Lengths: 180’

JOINTS, CRACKS, AND FLASHING

APPLICATION
Solvent wipe substrate with Acetone or Xylene and allow to dry. Surfaces must be dry, clean and free of foreign matter. Apply tape by using pressure by hand or tool to fully adhere tape to substrate. Firmly press tape on to substrate. Butt tape joints. Do not overlap at tape joints. All Tape joints must be sealed with PC-220/PC-440/PC-550/PC-260/PC-280/PC-260/PC-280 or approved Polyurethane sealant.

TECHNICAL DATA
Base Material: Spun-Bonded polyolefin
Fibers: Polyester hybrid
Thickness: 9 Mils
Tensile: 1,000 lbs per inch
Elasticity: 6%
Memory: 98%
Temperature resistance: Min. -40 °C / Max. +121 °C
Minimum application temp.: -23 °C
Release Liner: 90 GSM PE liner
Adhesion to Galvanized Steel: 28.5 lbs p/Lft @RT 20min Dwell
Adhesion to Copper: 24.75 lbs p/Lft@RT 20min Dwell
Adhesion to Stainless Steel: 32.25 lbs p/Lft @RT 20min Dwell
Adhesion to Aluminum: 38.66 lbs p/Lft @RT 20min Dwell

Allow tape to set a minimum of 20 minutes before conducting adhesion tests. After adhesion is verified, apply as needed to suitable substrates. Super Seal Tape must be coated in a waterproofing application with a suitable elastomeric coating.

STORAGE
Super Seal Tape has a shelf life of two (2) years from date of manufacture in original, factory-sealed cartons when stored indoors at a temperature not greater than 75°F (24°C) and not greater than 50% relative humidity.
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DESCRIPTION
Poly-Ply Mat 3 is a 3 ounce, non-woven, needle punched polypropylene, geotextile mat.

FEATURES
❖ Increases Tensile Strength
❖ Increases Puncture Resistance
❖ Excellent Reinforcement of Entire Waterproofing System

TYPICAL USES
Poly-Ply Mat 3 is used in the Polycoat-Aquaseal® and Polycoat-Aquagard® Systems.

COLOR/TEXTURE
Black - Smooth (both sides)

PACKAGING
Single Rolls - 3’ x 360’ (0.91 m x 110 m) nominal
Not a stock item. Contact Polycoat Products for available.

HORIZONTAL APPLICATION
Anchor the end of the roll at the start of the area to be covered. Walk backwards uncoiling the roll as you go, keeping a slight tension on the roll to prevent wrinkles from forming as the material falls onto the wet coating. A second person should follow, pressing the mat into the coating with the aid of a dry phenolic resin core roller.

Alternate Method: Cut the mat into predetermined lengths. Mat is then installed by picking up and laying it into the newly applied coating. Once the mat is laid into the material, it must be embedded into the coating with the aid of a dry phenolic resin core roller.

VERTICAL APPLICATION
Cut the mats into predetermined lengths. The mat is then held up to the top of the coated area and pressed into the coating. With the aid of a dry phenolic resin core roller, starting at the top and working your way to the bottom, the mat is embedded into the wet material.

Alternate Method: Roll the mat horizontally along the vertical surface, embedding the mat with a dry phenolic resin core roller as it is unrolled.

TECHNICAL DATA
Coverage per roll, observed .............................1080 sq. ft. 100 m²
Weight Per Square Yard ................................... 3 oz. 101 g/m²
Weight Per Roll ................................................... 25 lbs 11.3 kg
Thickness, observed ........................................... 75 mils 1905 microns
Grab Tensile Strength, ASTM D-4632 .............. 80 lbs 355 N
Mullen Burst, ASTM D-3786 ..............................150 psi 1.0 MPa
Puncture Strength, ASTM D-4833 .................... 50 lbs 22.7 kgs
Trapezoid Tear Strength, ASTM D-4533 .......... 30 lbs 13.6 kgs
LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of the manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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DESCRIPTION
Poly-Protection Mat 4 is a 4 ounce, non-woven, needle punched polypropylene, geotextile mat. It is manufactured from recycled polyester products that are environmentally friendly.

FEATURES
❖ Increases Puncture Resistance  
❖ Replaces Protection Board  
❖ Excellent Reinforcement of Entire Waterproofing System

TYPICAL USES
Poly-Protection Mat 4 is used in the Polycoat-Aquaseal® and other below grade waterproofing systems.

❖ Outer Protection Mat

COLOR/TEXTURE
Black - Fuzzy (one side) / Smooth (one side)

PACKAGING
Single Rolls. 3’ x 300’ (0.91 m x 110 m) nominal
Not a stock item. Contact Polycoat Products for available.

APPLICATION
All exposed membrane surfaces should be protected by immediately installing the Poly-Protection Mat 4 into the wet final coat of Polycoat-Aquaseal®.

Mats cut to predetermined lengths are held up to the top of the coated area and pressed into the coating, smooth side down/fuzzy side up. With the aid of a dry phenolic resin core roller, starting at the top and working your way to the bottom, the mat is embedded into the wet material.

Alternate Method: Roll the mat horizontally along the vertical surface, embedding the mat with a dry phenolic resin core roller as it is unrolled. Back filling may begin 12 hours after the Poly-Protection Mat 4 is installed.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td>Coverage per roll, observed</td>
<td>900 sq. ft.</td>
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<tr>
<td>Weight Per Square Yard</td>
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<td>Weight Per Roll</td>
<td>135 g/m²</td>
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<td>Weight Per Roll</td>
<td>25 lbs</td>
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<tr>
<td>Thickness, ASTM D-5199-91</td>
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</tr>
<tr>
<td>Thickness, ASTM D-1682</td>
<td>2540 microns</td>
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<td>Grab tensile strength, ASTM D-1682</td>
<td>90 lbs</td>
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<td>Grab tensile strength, ASTM D-4595</td>
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<td>Wide width strip tensile strength, ASTM D-4595</td>
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<tr>
<td>Mullen burst, ASTM D-3786</td>
<td>230 psi</td>
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<td>Mullen burst, ASTM D-3786</td>
<td>1.6 MPa</td>
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<tr>
<td>Puncture, ASTM D-4833</td>
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<td>Puncture, ASTM D-4833</td>
<td>27.2 kgs</td>
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<tr>
<td>Trapezoid Tear Strength, ASTM D-4533-85</td>
<td>40 lbs</td>
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<tr>
<td>Trapezoid Tear Strength, ASTM D-4533-85</td>
<td>18.1 kgs</td>
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</table>
DESCRIPTION
Poly-Caulk® 80 is a two-component aromatic, 1:1 ratio, rapid setting, self leveling, 100% solids polyurea caulking compound for interior and exterior horizontal application.

FEATURES
- 100% Solids
- Flexible
- Down Time 30-90 minutes
- Odorless
- Meets USDA Criteria
- Non-Toxic
- Remains Flexible, Even In Cold Temperatures
- Meets California VOC and AQMD Requirements

USES
Poly-Caulk® 80 is used on interior and exterior horizontal concrete surfaces, to repair random cracks, control joints, and other areas where down time is limited.

- Food Processing Plants
- Warehouses
- Bridge Headers
- Airports
- Freezers and Cold Storage
- Spalls
- Waste Water Treatment Plants
- Truck Aprons
- Parking Garage Decks
- Grade Matching
- Industrial/Manufacturing Facilities
- Saw/Utility Cuts

COLORS
Concrete Grey
Note: Poly-Caulk® 80 will discolor in exterior applications.

PACKAGING
10 gallon kit: One 5 gallon pail of Side-A and One 5 gallon pail of Side-B.

100 gallon kit: One 55 gallon drum (net 50 gallons) of Side-A and One 55 gallon drum (net 50 gallons) of Side-B.

COVERAGE RATES LF/Gallon

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<th>½&quot;</th>
<th>¾&quot;</th>
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<td>205</td>
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<tr>
<td>2&quot;</td>
<td>77</td>
<td>51</td>
<td>44</td>
<td>38</td>
<td>30</td>
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</tbody>
</table>

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish their own factors for loss from experience.

SURFACE PREPARATION
Allow concrete to cure 28 days before installation.

Saw cut the joint to ACI Recommendations.

All joints must be clean and dry prior to installing Poly-Caulk® 80.

If joint is damp, dry with heat torch.

If primer is required, use Polyprime 2180 or Polyprime EBF.

Remove all dust from the concrete pores prior to installing Poly-Caulk® 80.

If backer rod is used in control joints, the recommended depth is not greater than 25% of the total depth of the slab.

Construction joints are to be filled to full depth using no backer rod or silica sand.

To repair T-joints, the joint should be cut a minimum of 25% of the total depth of the slab. The side of the T-joint must be cut 1½" from the joint and a minimum of ½" deep.

For random crack and spall repairs, each side of the crack should be cut to create a minimum ½" deep vertical edge.

Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.

MIXING
Poly-Caulk® 80A may not be diluted under any circumstance.
Pre-mix Poly-Caulk® 80A Side-B material before combining with Side-A. Side-A material requires no mixing.

Use only a proportioning dispensing system which transfers, meters and mixes the Side-A and Side-B components at the desired rate and at the required proportion of 1:1 by volume. Both components are pumped through a disposable static mixing tube with restrictor plugs.

Add Side-A to Side-B while mixing, using a mechanical mixer at a low speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes).

Use care to scrape the sides of the container to ensure that no unmixed material remains.

Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
For best results, machine dispense using a 1:1 ratio pump, with or without heater as required. Use static mixing tube with restrictor before dispensing. Material left in static mixing tube will thicken in about 2 minutes and mixing tube needs to be discarded at that point.

This material can be applied at environmental temperatures from 20°F (-6.6°C) to as high as 135°F (57°C).

The product needs to be conditioned at 75-80°F prior to use.

This material may be used to fill the entire crack/joint. Excess/overflow material from joints should be shaved off in about 60 to 90 minutes after application.

FINISHING
Slice off any overpour flush to grade.

Open to traffic once Poly-Caulk® 80 has set.

Surface can be utilized to light traffic typically within 90 minutes of application.

CLEAN UP
Cured product may be disposed of without restriction. Mix excess A and B material and allow to cure. Check local, state and federal laws before disposing of material.

STORAGE
Poly-Caulk® 80 should be stored at 60-95°F (15-35°C).

Poly-Caulk® 80 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling.

Discoloration will occur if exposed to UV, however no change will occur in the physical properties.

WARNING
This product contains Isocyanates and Curatives.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to the Polycoat Products guide specifications and product data sheets, over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any kind, including incidental or consequential damages resulting from any and all defects or errors, whether expressed or implied. Polycoat Products shall not be responsible for any use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, hiding, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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POLY-CAULK® PX27SL
100% Solids Self-Leveling Polyurethane Joint Sealant
Technical Data Sheet

DESCRIPTION
Poly-Caulk® PX27 is a self leveling, two component, 1:1 (A:B) ratio by volume, 100% solids polyurethane sealant.

FEATURES
- Odorless
- Flexible
- 100% Solids
- Cured Material Remains Flexible, Even In Cold Temperatures

TYPICAL USES
Poly-Caulk® PX27SL is used on interior and exterior horizontal concrete surfaces, to repair random cracks, control joints, and other areas where down time is limited.

- Airports
- Bridge Headers
- Spalls
- Truck Aprons
- Saw/Utility Cuts
- Parking Garage Decks
- Industrial/Manufacturing Facilities

COLORS
Concrete Grey

PACKAGING
1.5 gallon kit: One 1 gallon can, net fill 0.75 gallons of Side-A and One 2 gallon pail, net fill 0.75 gallons of Side-B.

TECHNICAL DATA (Based on draw down film)
Mix Ratio by Volume .......................................... 1A : 1B
Specific Gravity,
Part-A ................................................................. 1.02
Part-B ................................................................. 1.44
Viscosity at 75°F (24°C),
Part-A ................................................................. 65 ± 10 poise
Part-B ................................................................. 70 ± 10 poise
Pot Life at 75°F (24°C), 50% R.H. ..................... 2-3 hours
Tackfree Time at 77°F (25°C), ........................... 12 hours
Cure Time at 75°F (24°C), 50% R.H. ................. 36-48 hours
Hardness, ASTM D-2240 ................................... 30 ± 5 Shore A
Tensile Strength, ASTM D-412........................... 300 ± 50 psi
2.1 ± 0.3 MPa
Elongation, ASTM D-412 .................................... 800 ± 50%
Tear Strength, ASTM D-624 ............................... 50 ± 5 pli
8.8 ± 0.8 kNm
Total Solids by Weight, ASTM D-2369 .............. 100%
Total Solids by Volume, ASTM D-2697 ............. 100%

SURFACE PREPARATION
Allow concrete to cure 28 days before installation.

All joints must be clean and dry prior to installing Poly-Caulk® PX27SL.

If joint is damp, dry with heat torch.

Remove all dust from the concrete pores prior to installing Poly-Caulk® PX27SL.

Backer rod should be used in control joints, the recommended depth is not greater than 25% of the total depth of the slab.

Construction joints are to be filled to full depth using no backer rod or silica sand.

To repair T-joints, the joint should be cut a minimum of 25% of the total depth of the slab. The side of the T-joint must be cut ½" from the joint and a minimum of ½" deep.

For random crack and spall repairs, each side of the crack should be cut to create a minimum ½" deep vertical edge.

Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.

All surfaces must be primed with Polyprime 2180 or Polyprime EBF-LV.

MIXING
Poly-Caulk® PX27SL may not be diluted under any circumstance.

Coverage and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish their own factors for loss from experience.

<table>
<thead>
<tr>
<th>Depth of Joint</th>
<th>Width of Joint</th>
<th>¼&quot;</th>
<th>⅜&quot;</th>
<th>½&quot;</th>
<th>⅝&quot;</th>
<th>⅞&quot;</th>
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<tbody>
<tr>
<td>¼&quot;</td>
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<td>77</td>
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<td>⅜&quot;</td>
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<tr>
<td>½&quot;</td>
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<td>61</td>
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<tr>
<td>⅞&quot;</td>
<td>102</td>
<td>68</td>
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<td>1&quot;</td>
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<td>58</td>
<td>44</td>
<td>36</td>
<td>29</td>
<td>25</td>
<td>22</td>
</tr>
</tbody>
</table>

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish their own factors for loss from experience.
Pre-mix Poly-Caulk® PX27SL Side-B material before combining with Side-A. Side-A material requires no mixing. Add Side-A to Side-B while mixing, using a mechanical mixer at low speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes).

Use care to scrape the sides of the container to ensure that no unmixed material remains.

Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
Apply using a caulking gun, hand pressure-type or pour from container.

This material can be applied at ambient temperatures from 40°F (4.4°C) to as high as 135°F (57°C).

The product needs to be conditioned at 75-80°F prior to use.

FINISHING
After applying Poly-Caulk® PX27SL, wait 36-48 hours, depending on temperature and humidity before opening to traffic.

CLEAN UP
Cured product may be disposed of without restriction. Mix excess A and B material and allow to cure. Check local, state and federal laws before disposing of material.

STORAGE
Poly-Caulk® PX27SL should be stored at room temperature, 60-95°F (15-35°C).

Poly-Caulk® PX27SL has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Discoloration will occur if exposed to UV, however no change will occur in the physical properties.

WARNING
This product contains Isoyantes and Curatives.
POLY-CAULK® PX27GG
100% Solids Non-Sag, Gun Grade Polyurethane Joint Sealant
Technical Data Sheet

DESCRIPTION
Poly-Caulk® PX27 Gun Grade is a two component, 1:5 (A:B) ratio by volume, non-sag, 100% solids polyurethane sealant.

FEATURES
- Odorless
- Flexible
- 100% Solids
- Cured Material Remains Flexible, Even In Cold Temperatures

TYPICAL USES
Poly-Caulk® PX27GG is used on interior and exterior vertical concrete surfaces, to repair random cracks, control joints, and other areas where down time is limited.

- Airports
- Bridge Headers
- Spalls
- Truck Aprons
- Grade Matching
- Saw/Utility Cuts
- Parking Garage Decks
- Industrial/Manufacturing Facilities

COLORS
Concrete Grey

PACKAGING
1.5 gallon kit: One 1 quart can of Side-A and One 2 gallon pail, net fill 1.25 gallons of Side-B.

SURFACE PREPARATION
Allow concrete to cure 28 days before installation.

All joints must be clean and dry prior to installing Poly-Caulk® PX-27GG.

COVERAGES RATES LF/Gallon

<table>
<thead>
<tr>
<th>Width of Joint</th>
<th>1/8&quot;</th>
<th>3/32&quot;</th>
<th>1/32&quot;</th>
<th>1/16&quot;</th>
<th>1/8&quot;</th>
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</thead>
<tbody>
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<td>205</td>
<td>154</td>
<td>123</td>
<td>102</td>
<td>88</td>
</tr>
<tr>
<td>3/32&quot;</td>
<td>205</td>
<td>136</td>
<td>102</td>
<td>82</td>
<td>68</td>
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<td>1/32&quot;</td>
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<tr>
<td>1/16&quot;</td>
<td>123</td>
<td>82</td>
<td>61</td>
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<tr>
<td>1/8&quot;</td>
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<td>88</td>
<td>58</td>
<td>44</td>
<td>36</td>
<td>29</td>
<td>25</td>
</tr>
</tbody>
</table>

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish their own factors for loss from experience.

If joint is damp, dry with heat torch.

Remove all dust from the concrete pores prior to installing Poly-Caulk® PX27GG.

Backer rod should be used in control joints, the recommended depth is not greater than 25% of the total depth of the slab.

Construction joints are to be filled to full depth using no backer rod or silica sand.

To repair T-joints, the joint should be cut a minimum of 25% of the total depth of the slab. The side of the T-joint must be cut 1 1/2" from the joint and a minimum of 1/2" deep.

For random crack and spall repairs, each side of the crack should be cut to create a minimum 1/2" deep vertical edge.

Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.

All surfaces must be primed with Polyprime 2180 or Polyprime EBF-LV.

MIXING
Poly-Caulk® PX27GG may not be diluted under any circumstance.

Pre-mix Poly-Caulk® PX27GG Side-B material before combining with Side-A. Side-A material requires no mixing.

Add Side-A to Side-B while mixing, using a mechanical mixer at low speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes).
Use care to scrape the sides of the container to ensure that no unmixed material remains.

Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
Apply using a caulking gun, hand pressure-type or pour from container.

This material can be applied at environmental temperatures from 40°F (4.4°C) to as high as 135°F (57°C).

The product needs to be conditioned at 75-80°F prior to use.

FINISHING
After applying Poly-Caulk® PX-27GG wait 36-48 hours, depending on temperature and humidity before opening to traffic.

CLEAN UP
Cured product may be disposed of without restriction. Mix excess A and B material and allow to cure. Check local, state and federal laws before disposing of material.

STORAGE
Poly-Caulk® PX-27GG should be stored at room temperature, 60-95°F (15-35°C).

Poly-Caulk® PX-27GG has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Discoloration will occur if exposed to UV, however no change will occur in the physical properties.

WARNING
This product contains Isocyanates and Curatives.
DESCRIPTION
Poly-Caulk® JF is a two component, Jet Fuel/Chemical Resistant, 1:1 ratio, self-leveling polyurethane caulking sealant.

FEATURES
❖ Flexible
❖ Non-Toxic
❖ Remains Flexible, Even In Cold Temperatures
❖ Conforms to Federal Specification SS-S-200E

USES
Poly-Caulk® JF is used on interior/exterior horizontal concrete surfaces, to repair random cracks and joints.
❖ Airport Runways
❖ Bridge Headers
❖ Parking Aprons

COLORS
Black Only

PACKAGING
10 gallon kit: One 5 gallon pail of Side-A and One 5 gallon pail of Side-B.
100 gallon kit: One 55 gallon drum (net 50 gallons) of Side-A and One 55 gallon drum (net 50 gallons) of Side-B.

COVERAGERATES LF/Gallon

<table>
<thead>
<tr>
<th>Depth of Joint</th>
<th>Width of Joint</th>
<th>¼”</th>
<th>½”</th>
<th>¾”</th>
<th>1”</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼”</td>
<td>308</td>
<td>205</td>
<td>154</td>
<td>123</td>
<td>88</td>
</tr>
<tr>
<td>½”</td>
<td>205</td>
<td>136</td>
<td>102</td>
<td>82</td>
<td>68</td>
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<tr>
<td>¾”</td>
<td>154</td>
<td>102</td>
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<td>51</td>
</tr>
<tr>
<td>1”</td>
<td>123</td>
<td>82</td>
<td>61</td>
<td>49</td>
<td>41</td>
</tr>
</tbody>
</table>

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish their own factors for loss from experience.

SURFACE PREPARATION
Allow concrete to cure 28 days before installation.
All joints must be clean and dry prior to installing Poly-Caulk® JF.
Remove all dust from the concrete pores prior to installing Poly-Caulk® JF.
All joints must be absolutely clean.
The use of primer is optional. If primer is required, Polycoat recommends the use of Polyprime 2180.
All curing compounds, old caulks, grease, waterproofing compounds, etc., must be removed.
For non-porous surfaces such as metal, etc., clean to bright surface is recommended.
Polyethylene rod or polyurethane foam is recommended as a joint filler and back-up material.
Joint Design: Suitable for all properly designed joints following accepted engineering practices.

MIXING
Poly-Caulk® JF may not be diluted under any circumstance.
Pre-mix Poly-Caulk® JF Side-B material before combining with Side-A. Side-A material requires no mixing.
Add Side-A to Side-B while mixing, using a mechanical mixer at low speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes).
Use care to scrape the sides of the container to ensure that no unmixed material remains.
Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>Mix Ratio by Volume</th>
<th>1A : 1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Life at 75°F (24°C), 50% RH</td>
<td>2 hours</td>
</tr>
<tr>
<td>Working Life (Accelerated) at 77°F (25°C), 50% RH</td>
<td>35 minutes</td>
</tr>
<tr>
<td>Tackfree Time at 75°F (24°C), 50% RH</td>
<td>12 hours</td>
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<tr>
<td>(Fed Spec, SS-S-200E)</td>
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</tr>
<tr>
<td>Cure Time at 75°F (24°C), 50% R.H.</td>
<td>48-72 hours</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>15 ± 5 Shore A</td>
</tr>
<tr>
<td>Specific Gravity, Part-A</td>
<td>1.02</td>
</tr>
<tr>
<td>Part-B</td>
<td>1.27</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C), Part-A</td>
<td>2000 ± 300 cps</td>
</tr>
<tr>
<td>Part-B</td>
<td>3000 ± 300 cps</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>400 ± 50 psi</td>
</tr>
<tr>
<td>2.7 ± 0.3 MPa</td>
<td></td>
</tr>
<tr>
<td>Elongation, ASTM D-412</td>
<td>900 ± 10%</td>
</tr>
<tr>
<td>Tear Strength, ASTM D-624</td>
<td>60 ± 25 psi</td>
</tr>
<tr>
<td>10.5 ± 4.4 kNm</td>
<td></td>
</tr>
<tr>
<td>Shrinkage</td>
<td>Negligible</td>
</tr>
</tbody>
</table>

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14722 Spring Avenue • Santa Fe Springs, CA 90670-5108 USA • Tel: 562/802-8834 • Fax: 562/921-7363 • www.polycoatusa.com • Copyright© March 2011 Polycoat Products
APPLICATION
Apply using a caulking gun, hand pressure-type or pour from container.

This material can be applied at environmental temperatures from 40°F (4.4°C) to as high as 135°F (57°C).

The product needs to be conditioned at 75-80°F (___-___°C) prior to use.

FINISHING
Open to traffic once Poly-Caulk® JF has set.

CLEAN UP
Cured product may be disposed of without restriction. Mix excess A and B material and allow to cure. Check local, state and federal laws before disposing of material.

STORAGE
Poly-Caulk® JF should be stored at room temperature, 60-95°F (15-35°C).

Poly-Caulk® JF has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling.

Discoloration will occur if exposed to UV, however no change will occur in the physical properties.

WARNING
This product contains Isocyanates and Curatives.
DESCRIPTION
Poly-Caulk® Hand-Mix is a two component, modified aliphatic, rapid setting, self-leveling, 100% solids polyurea caulking compound.

FEATURES
- 100% Solids
- Flexible
- Meets USDA Criteria
- Odorless
- Remains Flexible, Even In Cold Temperatures
- Meets California VOC and AQMD Requirements

USES
Poly-Caulk® HM is for small repairs on interior and exterior horizontal concrete surfaces, to repair random cracks, control joints, and other areas where down time is limited.
- Food Processing Plants
- Airports
- Bridge Headers
- Spalls
- Freezers and Cold Storage
- Truck Aprons
- Waste Water Treatment Plants
- Grade Matching
- Parking Garage Decks
- Saw/Utility Cuts
- Industrial/Manufacturing Facilities

COLORS
Grey

PACKAGING
1 gallon kit: One 1 gallon can (net fill 0.875 gallons) of Side-A and One 1 pint can (net fill 0.125 gallons) of Side-B.

SURFACE PREPARATION
Allow concrete to cure 28 days before installation.
Saw cut the joint to ACI Recommendations.
All joints must be clean and dry prior to installing Poly-Caulk® HM.
If joint is damp, dry with heat torch.
Remove all dust from the concrete pores prior to installing Poly-Caulk® HM.
Ensure that all joint edges are at 90° angles to grade with no V-grooving or feather edges.

MIXING
Poly-Caulk® HM may not be diluted under any circumstance.
Pre-mix Poly-Caulk® HM Side-B material before combining with Side-A. Side-A material requires no mixing.
Add Side-A to Side-B while mixing, using a mechanical mixer at slow speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes).
Use care to scrape the sides of the container to ensure that no unmixed material remains.

APPLICATION
NOTE: Poly-Caulk® HM may not be diluted under any circumstances. Proportions are premeasured.
Poly-Caulk® HM can be applied at ambient temperatures from 32°F (0°C) to as high as 135°F (57°C).
The product needs to be conditioned at 75-80°F prior to use.

FINISHING
After applying Poly-Caulk® HM, wait 4-5 hours, depending on temperature and humidity before opening to traffic.
Slice off any overpour flush to grade.

CLEANUP
Cured product may be disposed of without restriction. Mix excess A and B material and allow to cure. Check local, state and federal laws before disposing of material.

STORAGE
Poly-Caulk® HM should be stored at room temperature, 60-95°F (15-35°C).
Poly-Caulk® HM has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Do not dilute Poly-Caulk® HM under any circumstances.
Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling.
Discoloration will occur if exposed to UV, however no change will occur in the physical properties.

WARNING
This product contains Isocyanates and Curatives.

### TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mix Ratio by Volume</td>
<td>7A : 1B</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>80 ± 4 Shore A</td>
</tr>
<tr>
<td>Elongation, ASTM D-412</td>
<td>600 ± 50%</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>2000 ± 200 psi</td>
</tr>
<tr>
<td>Gel Time at 75°F (24°C), ASTM D-2471</td>
<td>4-5 minutes</td>
</tr>
<tr>
<td>Tear Strength, ASTM D-624</td>
<td>425 ± 50 pli</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>100%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>100%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>100%</td>
</tr>
</tbody>
</table>

Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

### POLY-CAULK® HM

100% Solids Self-Leveling Polyurea Caulking Compound
Technical Data Sheet

Use Poly-Caulk® HM with care as this material is not meant to be a substitute for proper engineering and construction practices.
Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products specifications and product data sheets over a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacture which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, testing, chalking, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user’s responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee any particular method of application or result of application. Contrary statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claims that these tests or any other tests, accurately represent all environments.
DESCRIPTION
Quick-N-Cure is a single component, proprietary, liquid catalyst that reduces the cold weather cure time of aromatic polyurethane polyurea coatings. Quick-N-Cure may be used to speed the cure of Polyglaze AR, AR-SF, PC-220, PC-220SF, PC-220OF, PC-440, PC-440SF, PC-440SC, Poly-I-Gard® 246, Poly-I-Gard® 246SF, Poly-I-Gard® 246OF, Poly-I-Gard® 246SC.

FEATURES
❖ Speeds Cure Time
❖ Allows Coatings to Be Applied in Cold Weather to 40-50°F

TYPICAL USES
Quick-N-Cure may be used to accelerate cure time in cold weather applications.

COLOR
Red

PACKAGING
0.7 ounce (20 gram) vial
1 quart (0.95 liter) can

MIXING
Maximum mixing ratio: 0.2 to 0.6 ounces Quick-N-Cure to 1 gallon Aromatic Coating (5.9cc to 17.7cc Quick-N-Cure to 3.78 liters Aromatic Coating).

- or -
1 to 3 ounces Quick-N-Cure to 5 gallons Aromatic Coating (29.6cc to 88.7cc Quick-N-Cure to 18.9 liters Aromatic Coating).

The amount of catalyst to be added should be determined based on job conditions. However, it is recommended that not more than 0.1% to 0.2% of Quick-N-Cure be added (by weight) to the coating.

Mix Quick-N-Cure into the coating by using a mechanical mixer. Mix Quick-N-Cure into the coating until a homogeneous mixture and color is obtained.

The pot life of the resulting compound will be approximately 4-6 hours. This time will vary based on temperature, humidity and amount of Quick-N-Cure used.

CURING
To accelerate cure time the following products can be used in conjunction with Quick-N-Cure:


PC-50 may be used with PC-220, PC-220SF, PC-220OF, PC-440, PC-440SF, PC440SC.

Under optimum conditions, coating will be ready for light traffic or subsequent coats in 24 hours.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Quick-N-Cure has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
For use in cold temperatures only.

Excessive Quick-N-Cure will result in a reduction of the physical properties of the base membrane.

Adding excessive amounts of Quick-N-Cure may result in foaming.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

WARNING
This product contains Curatives.
LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any cost, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER
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DESCRIPTION
Polyprime 21 is a two component, high solids, liquid applied, epoxy-polyamine primer with unique penetrating characteristics.

FEATURES
- Low Odor
- Solvent Free
- Low Viscosity
- Excellent Adhesion

TYPICAL USES
- Concrete
- Plywood
- Polyurethane Elastomeric Surfaces

COLORS
Part-A: Blue, Part-B: Yellow

PACKAGING
3 gallon kit: One 3.5 gallon pail, net fill 2 gallons (7.57 liters) of Part-A and One 1 gallon (3.78 liter) can of Part-B

15 gallon kit: Two 5 gallon (18.9 liter) pails of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

MIXING
The volume mixing ratio is 2 parts Part-A Blue Liquid to 1 part Part-B Yellow Liquid.

Polyprime 21 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. Polyprime 21 must always be mixed with two parts Part-A and one part Part-B (Part-A: Part-B = 2:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

APPLICATION
Polyprime 21 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow Polyprime 21 to become tack free before applying the coating. Approximate tack free time is 4-6 hours at 75°F (24°C) and 50% relative humidity. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

Polyprime 21 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyprime 21 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Polyprime 21 should be coated within 12 hours after it has become tack free.

- Not UV stable.
- Surfaces must be dry, clean and free of foreign matter.
- Containers that have been opened must be used as soon as possible.
- Polyprime 21 is difficult to clean up after it has cured.
- Do not dilute Polyprime 21.
- Mix no more material than can be used within 20 minutes.

WARNING
This product contains Epoxy Resin and Curatives.
LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of time (5) years. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any kind, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, testing, chalking, streaking, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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DESCRIPTION
Polyprime 172 is a single component, liquid applied, aromatic polyurethane polyurea primer. This primer provides excellent intercoat adhesion. Polyprime 172SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES
❖ One Component
❖ Fast Curing
❖ For SCAQMD areas, use only Polyprime 172SC

TYPICAL USES
❖ Polyurethane Intercoat Primer for Pedestrian Decks Only

COLOR
Amber

PACKAGING
1 gallon (3.78 liter) can
5 gallon (18.9 liter) pail
55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, Polyprime 172 must be mixed thoroughly. Closed-top metal cans can be shaken or rolled to mix material.

APPLICATION
Polyprime 172 should be applied at the rate of 1 gallon/300 sq. ft. (0.14 liters/m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow Polyprime 172 to become tack free before applying the coating. Approximate tack free time is 1-2 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

Polyprime 172 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyprime 172 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Polyprime 172 should be coated within 2 hours after it has become tack free.

Not UV stable.

Surfaces must be dry, clean and free of foreign matter.

Containers that have been opened must be used as soon as possible.

Polyprime 172 is difficult to clean up after it has cured.

Do not dilute under any circumstance.

WARNING
This product contains Isocyanates and Solvent.

This product is considered Dangerous Goods. DOT regulations classify it as: UN 1263, PAINT, Class 3, PG III, FLAMMABLE LIQUID.
Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products’ current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products’ guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any kind, including remote or consequential damages resulting from any implied breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, staining, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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DESCRIPTION
Polyprime 2180 is a two component, liquid applied, epoxy-polyamine primer with unique penetrating characteristics. Polyprime 2180SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES
- Seals Concrete
- Low Viscosity
- Excellent Adhesion
- For SCAQMD areas, use only Polyprime 2180SC

TYPICAL USE
- Concrete
- Metal
- Polyurethane Intercoat Primer
- Plywood

COLORS
Part-A: Black, Part-B: White

PACKAGING
- 2 Quart kit: One 1 quart (0.946 liter) can of Part-A and One 1 quart (0.946 liter) can of Part-B.
- 2 gallon kit: One 1 gallon (3.78 liter) can of Part-A and One 1 gallon (3.78 liter) can of Part-B.
- 10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

MIXING
The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid.

Polyprime 2180 Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. Polyprime 2180 must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

APPLICATION
Polyprime 2180 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller.

Allow Polyprime 2180 to become tack free before applying the coating. Approximate tack free time is 3-5 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

Polyprime 2180 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyprime 2180 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Polyprime 2180 should be coated within 8-12 hours after it has become tack free.

Not UV stable.

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TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>POLYPRIME 2180 (250 VOC)</th>
<th>POLYPRIME 2180SC (100 VOC)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coverage Rate</strong></td>
<td>1 gal/300 sq.ft. (0.14 l/m²)</td>
</tr>
<tr>
<td><strong>Pot Life at 75°F (24°C), 50% R.H.</strong></td>
<td>60-90 min.</td>
</tr>
<tr>
<td><strong>Dry Film Thickness per Coat</strong></td>
<td>4 ± 1 mils</td>
</tr>
<tr>
<td><strong>Total Solids by Weight, ASTM D-2369</strong></td>
<td>90 ± 2%</td>
</tr>
<tr>
<td><strong>Total Solids by Volume, ASTM D-2697</strong></td>
<td>84 ± 2%</td>
</tr>
<tr>
<td><strong>Viscosity at 75°F (24°C)</strong></td>
<td>600 ± 200</td>
</tr>
<tr>
<td><strong>Part-A &amp; B combined</strong></td>
<td>600 ± 200</td>
</tr>
<tr>
<td><strong>Volatile Organic Compounds, ASTM D-2369-81</strong></td>
<td>1.17 lbs/gal</td>
</tr>
<tr>
<td><strong>Total Solids by Volume, ASTM D-2697</strong></td>
<td>84 ± 2%</td>
</tr>
<tr>
<td><strong>Viscosity at 75°F (24°C)</strong></td>
<td>1200 ± 200</td>
</tr>
<tr>
<td><strong>Part-A &amp; B combined</strong></td>
<td>1200 ± 200</td>
</tr>
<tr>
<td><strong>Volatile Organic Compounds, ASTM D-2369-81(excluding exempt solvent)</strong></td>
<td>0.83 lbs/gal</td>
</tr>
</tbody>
</table>

---
Surfaces must be dry, clean and free of foreign matter.

Containers that have been opened must be used as soon as possible.

Polyprime 2180 is difficult to clean up after it has cured.

Do not dilute Polyprime 2180.

Mix no more material than can be used within 45 minutes.

**WARNING**

This product contains Epoxy Resin and Curatives.

Polyprime 2180 and 2180SC Part-A and Part-B are considered Dangerous Goods. DOT regulations classify it as: UN 1263, PAINT, Class 3, PG III, FLAMMABLE LIQUID.
DESCRIPTION
Polyprime U is a two component, high solids, liquid applied primer with unique penetrating characteristics.

FEATURES
❖ High Solids  ❖ Low Odor
❖ Fast Re-coat Time  ❖ Low Viscosity

TYPICAL USES
❖ Intercoat Adhesion primer for existing Urethane System only

COLORS
Part-A: Black, Part-B: White

PACKAGING
2 gallon kit: One 1 gallon (3.78 liter) can of Part-A and One 1 gallon (3.78 liter) can of Part-B.

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

MIXING
The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid.

Polyprime U Part-A and Part-B should be thoroughly agitated prior to mixing to ensure a homogeneous material. Polyprime U must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

APPLICATION
Polyprime U should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Do not allow the material to puddle.

Allow Polyprime U to become tack free before applying the coating. Approximate tack free time is 2-4 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

Polyprime U is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>Coverage Rate</th>
<th>1 gal/300 sq. ft. 0.14 l/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pot Life at 75°F (24°C), 50% R.H.</td>
<td>60-90 min.</td>
</tr>
<tr>
<td>Dry Film Thickness per Coat</td>
<td>5 ± 1 mils 127 ± 25 microns</td>
</tr>
<tr>
<td>Specific Gravity, Part-A</td>
<td>1.22</td>
</tr>
<tr>
<td>Part-B</td>
<td>0.98</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>97.8%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>97.7%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C), Part-A &amp; B combined</td>
<td>500 ± 100 cps</td>
</tr>
<tr>
<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>0.21 lbs/gal 25 gm/liter</td>
</tr>
</tbody>
</table>

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyprime U has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Polyprime U should be coated within 12 hours after it has become tack free.

Not UV stable.

Surfaces must be dry, clean and free of foreign matter.

Containers that have been opened must be used as soon as possible.

Polyprime U is difficult to clean up after it has cured.

Do not dilute Polyprime U.

Mix no more material than can be used within 20 minutes.

WARNING
This product contains Isocyanate.
LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products' guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of time (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe upon any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, testing, chalking, streaking, shrinking, peeling, normal wear and tear or improper application by the user. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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DESCRIPTION
Polyprime U22 is a two component, high solids, liquid applied primer with unique penetrating characteristics.

FEATURES
- High Solids
- Low Odor
- Fast Re-coat Time
- Low Viscosity
- Excellent Adhesion

TYPICAL USES
- Concrete
- Asphalt
- Plywood

COLORS
Part-A: Black, Part-B: White

PACKAGING
2 gallon kit: One 1 gallon (3.78 liter) can of Part-A and One 1 gallon (3.78 liter) can of Part-B.

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

MIXING
The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid.

Polyprime U22 Part-A and Part-B should be thoroughly agitated prior to mixing to ensure a homogeneous material. Polyprime U22 must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

APPLICATION
Polyprime U22 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Do not allow the material to puddle.

Allow Polyprime U22 to become tack free before applying the coating. Approximate tack free time is 2-4 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

Polyprime U22 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyprime U22 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Polyprime U22 should be coated within 12 hours after it has become tack free.

Not UV stable.

Surfaces must be dry, clean and free of foreign matter.

Containers that have been opened must be used as soon as possible.

Polyprime U22 is difficult to clean up after it has cured.

Do not dilute Polyprime U22.

Mix no more material than can be used within 20 minutes.

WARNING
This product contains Isocyanate.
Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, testing, chalking, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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DESCRIPTION
Polyprime U25 is a two component, liquid applied primer with unique penetrating characteristics.

FEATURES
❖ Low Viscosity
❖ Excellent Adhesion
❖ Fast Re-coat Time

TYPICAL USES
❖ Concrete
❖ Asphalt
❖ Plywood

COLORS
Part-A: Black, Part-B: White

PACKAGING
2 gallon kit: One 1 gallon (3.78 liter) can of Part-A and One 1 gallon (3.78 liter) can of Part-Bd.

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

MIXING
The volume mixing ratio is: 1 part Part-A Black Liquid to 1 part Part-B White Liquid.

Polyprime U25 Part-A and Part-B should be thoroughly agitated prior to mixing to ensure a homogeneous material. Polyprime U25 must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

APPLICATION
Polyprime U25 should be applied at the rate of 1 gallon (mixture of Part-A & Part-B)/300 sq. ft. (0.14 liters/m²). Coverage rate will depend on surface roughness and porosity. It can be applied using an airless sprayer, brush, or phenolic resin core roller. Do not allow the material to puddle.

Allow Polyprime 21 to become tack free before applying the coating. Approximate tack free time is 2-4 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

Polyprime U25 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

Polyprime U25 can be used for intercoat adhesion for Polycoat-Staingard 6000 and Polycoat-Staingard 6072.

TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>1 gal/300 sq. ft.</td>
</tr>
<tr>
<td>Pot Life at 75°F (24°C), 50% R.H.</td>
<td>1-2 hours</td>
</tr>
<tr>
<td>Dry Film Thickness per Coat</td>
<td>4 ± 1 mils</td>
</tr>
<tr>
<td>Specific Gravity, Part-A</td>
<td>1.08</td>
</tr>
<tr>
<td>Specific Gravity, Part-B</td>
<td>0.97</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>81 ± 2%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>79 ± 2%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>60 ± 5 cps</td>
</tr>
<tr>
<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>1.64 lbs/gal</td>
</tr>
</tbody>
</table>

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyprime U25 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Polyprime U25 should be coated within 12 hours after it has become tack free.

Not UV stable.
Surfaces must be dry, clean and free of foreign matter.
Containers that have been opened must be used as soon as possible.
Polyprime U25 is difficult to clean up after it has cured.
Do not dilute Polyprime U25.
Mix no more material than can be used within 1 hour.

WARNING
This product contains Isocyanates and Solvent.
Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of time (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, testing, chalking, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user’s responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the user or any third party for any direct, indirect, special, incidental, or consequential damages of any kind arising from the use of this product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.
Polyprime EBF-LV is a two component, high solids, liquid applied, epoxy-polyamine filler surfacer with unique characteristic of sealing pores in concrete.

**FEATURES**
- Low Odor
- High Solids
- Solvent Free
- Excellent Adhesion

**TYPICAL USES**
- Concrete
- Polyurethane Elastomeric Surfaces

**COLORS**
Part-A: Black, Part-B: White

**PACKAGING**
- 2 gallon kit: One 1 gallon (3.78 liter) can of Part-A and One 1 gallon (3.78 liter) can of Part-B.
- 10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A and One 5 gallon (18.9 liter) pail of Part-B.

**MIXING**
The volume mixing ratio is 1 part Part-A Black Liquid to 1 part Part-B White Liquid.

Polyprime EBF-LV Part-A and Part-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. Polyprime EBF-LV must always be mixed with one part Part-A and one part Part-B (Part-A: Part-B = 1:1). The combined components should be thoroughly mixed using a mechanical mixer at slow speed.

**APPLICATION**
Polyprime EBF-LV can be applied using a flat squeegee, phenolic resin core roller, trowel or airless spray.

**COVERAGE RATE**
One gallon per 200 square feet in general. Coverage rate will depend on surface roughness and porosity.

Allow Polyprime EBF-LV to become tack free before applying the coating. Approximate tack free time is 3-5 hours at 75°F (24°C) and 50% relative humidity.

Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point.

Polyprime EBF-LV is very sensitive to heat. Higher temperatures will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of application.

Low temperature will extend the cure time.

**EQUIPMENT CLEANUP**
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

---

**TECHNICAL DATA (Based on draw down film)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>1 gal/200 sq. ft.</td>
</tr>
<tr>
<td>Pot Life at 75°F (24°C), 50% R.H.</td>
<td>30-45 min.</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>70 ± 5 Shore D</td>
</tr>
<tr>
<td>Specific Gravity, Part-A</td>
<td>1.34</td>
</tr>
<tr>
<td>Part-B</td>
<td>1.97</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>94.5%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>91.4%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C), Part-A &amp; B combined</td>
<td>30 ± 5 poise</td>
</tr>
<tr>
<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>0.76 lb/gal</td>
</tr>
<tr>
<td></td>
<td>91 gm/liter</td>
</tr>
</tbody>
</table>

**STORAGE**
Polyprime EBF-LV has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

**LIMITATIONS**
- Not UV stable.
- Polyprime EBF-LV should be coated within 12 hours after it has become tack free.
- Surfaces must be dry, clean and free of foreign matter.
- Containers that have been opened must be used as soon as possible.
- Polyprime EBF-LV is difficult to clean up after it has cured.
- Do not dilute Polyprime EBF-LV.
- Mix no more material than can be used within 20 minutes.

**WARNING**
This product contains Epoxy Resin and Curatives.
Limited Warranty

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, flaking, chalking, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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### TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
<tr>
<td>Dry Film Thickness, per coat at 1 gal/100 sq. ft.</td>
<td>11 ± 2 mils</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>55 ± 5 Shore A</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>170 ± 25 pli</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>800 ± 100 psi</td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>500 ± 50%</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.26</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>81 ± 2%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>71 ± 2%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>6500 ± 3000 cps</td>
</tr>
<tr>
<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>2.01 lb/gal</td>
</tr>
<tr>
<td></td>
<td>240 gm/liter</td>
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</tbody>
</table>

### DESCRIPTION

PC-220 is a single component, liquid applied, moisture cured, aromatic polyurethane elastomeric waterproofing base membrane. This product does not meet VOC requirements for SCAQMD areas.

### FEATURES

- Economical
- Moisture Cured
- Seamless Waterproofing Membrane

### TYPICAL USES

- Concrete
- Plywood
- Metal
- Wood
- Masonry Surfaces

### COLORS

Grey or Tan

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

### PACKAGING

- 5 gallon (18.9 liter) pail
- 55 gallon drum, net fill 50 gallons (189 liters)

### MIXING

Before application, mix PC-220 using a mechanical mixer at slow speed. Mix PC-220 thoroughly until a homogeneous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

### APPLICATION

For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh's minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

Most applications require two coats. To obtain proper adhesion between coats, it is imperative that re-coating be done within 48 hours.

### CURING

At 75°F (24°C) and 50% relative humidity, allow coating to cure 16 hours before proceeding to subsequent coats. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime EBF-LV, 21, 2180 or 172 before proceeding.

If accelerated curing is required, add one quart of PC-50 in a 5 gallon pail of PC-220 and mix thoroughly. This accelerated PC-220 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

PC-220 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

### EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

### STORAGE

PC-220 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

### LIMITATIONS

Surfaces must be dry, clean and free of foreign matter.

Should be used as a base membrane only.

Not UV stable.

Cannot withstand direct wear or abrasion. Topcoat must be applied.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat...
Please read all information in the general guidelines, product data sheets, guide specifications, and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of time (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, testing, chalking, shrinking, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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DESCRIPTION
PC-220SF is a single component, high solids, solvent free, low odor, environmentally safe, liquid applied, moisture cured, aromatic urethane elastomeric waterproofing base membrane.

FEATURES
❖ Odor Friendly  ❖ Proven Protection
❖ Low Odor

TYPICAL USES
❖ Concrete or Plywood Decks
❖ Metal, Wood, or Masonry Surfaces

COLORS
Grey or Tan

Custom colors are also available. Minimum order of 300 gallons (1136 liters). See color chart for special provisions.

PACKAGING
5 gallon (18.9 liter) pail
55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix PC-220SF using a mechanical mixer at slow speed. Mix PC-220SF thoroughly until a homogenous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

APPLICATION
For best results, use a squeegee or notched trowel. Care should be taken not to cause air bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

It is recommended that an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh’s minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

Most applications require two coats. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

CURING
At 70°F (21°C) and 50% relative humidity, allow each coat to cure 16 hours between each coat. If more than 48 hours passes between coats, re-prime the surface with Polyprime EBF-LV, 21, 2180 or Polyprime 172 before proceeding.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Coverage Rate</th>
<th>See Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Film Thickness, per coat @ 1 gal/100 sq. ft.</td>
<td>16 mils</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>50 ± 5 Shore A</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>220 ± 20 pli</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>600 ± 100 psi</td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>625 ± 50%</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.34</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>99.99%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>99.99%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>6500 ± 2000 cps</td>
</tr>
<tr>
<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>&lt;10 gm/liter</td>
</tr>
</tbody>
</table>

Accelerated PC-220SF will cure in 6-8 hrs.

PC-220SF is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time, therefore, use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time. PC-50 may be used to accelerate cure.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
PC-220SF has a shelf life of six (6) months from date of manufacture in original, factory-sealed containers.

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

For ease of application, materials should be applied in temperatures greater than 60°F (15.5°C).

Should be used as a base membrane only.

Not UV stable.

Cannot withstand direct wear or abrasion. Topcoat must be applied.
Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycote Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**
This product contains Isocyanates.
PC-220OF
Odor Friendly, Elastomeric, Aromatic Polyurethane Base Membrane
Technical Data Sheet

DESCRIPTION
PC-220OF is a single component, high solids, odor friendly, environmentally safe, liquid applied, moisture cured, aromatic polyurethane elastomeric waterproofing base membrane. This product meets VOC requirements for SCAQMD areas.

FEATURES
❖ Low Odor
❖ Moisture Cured
❖ Seamless Waterproofing Membrane

TYPICAL USES
❖ Concrete
❖ Plywood
❖ Metal
❖ Wood
❖ Masonry Surfaces

COLORS
Grey. Tan color is available with minimum order of 250 gallons (945 liters).

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
5 gallon (18.9 liter) pail
55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix PC-220OF using a mechanical mixer at slow speed. Mix PC-220OF thoroughly until a homogeneous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

APPLICATION
For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh’s minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

Most applications require two coats. To obtain proper adhesion between coats, it is imperative that re-coating be done within 48 hours.

CURING
At 75°F (24°C) and 50% relative humidity, allow coating to cure 16 hours before proceeding to subsequent coats. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime EBF-LV, 21, 2180 or 172 before proceeding.

If accelerated curing is required, add one quart of PC-50 in a 5 gallon pail of PC-220OF and mix thoroughly. This accelerated PC-220OF will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

PC-220OF is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
PC-220OF has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Should be used as a base membrane only.

Not UV stable.

Cannot withstand direct wear or abrasion. Topcoat must be applied.

Containers that have been opened must be used as soon as possible.

TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>14 ± 2 mils</td>
<td>50 ± 5 Shore A</td>
<td>31.5 ± 4.4 kN/m</td>
<td>500 ± 100 psi</td>
<td>525 ± 50%</td>
<td>1.30</td>
<td>92.7%</td>
<td>87.7%</td>
<td>6500 ± 2000 cpsi</td>
<td>94 gm/liter</td>
</tr>
</tbody>
</table>

With Polycoat Products, you can rely on superior performance and reliability for all your coating needs.
Do not dilute under any circumstance.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycor Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**

This product contains Isocyanates.
PC-220SC
Odor Friendly, Elastomeric, Aromatic Urethane Base Membrane
Technical Data Sheet

DESCRIPTION
PC-220SC is a single component, high solids, odor friendly, environmentally safe, liquid applied, moisture cured, aromatic urethane elastomeric waterproofing base membrane.

FEATURES
 Odor Friendly   Proven Protection
 Low Odor

TYPICAL USES
 Concrete or Plywood Decks
 Metal, Wood, or Masonry Surfaces

COLORS
Grey or Tan

Custom colors are also available. Minimum order of 300 gallons (1136 liters). See color chart for special provisions

PACKAGING
5 gallon (18.9 liter) pail
55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix PC-220SC using a mechanical mixer at slow speed. Mix PC-220SC thoroughly until a homogenous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

APPLICATION
For best results, use a squeegee or notched trowel. Care should be taken not to cause air bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

It is recommended that an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh's minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

Most applications require two coats. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

CURING
At 70°F (21°C) and 50% relative humidity, allow each coat to cure 16 hours between each coat. If more than 48 hours passes between coats, re-prime the surface with Polyprime EBF-LV, 21, 2180 or Polyprime 172 before proceeding.

Accelerated PC-220SC will cure in 6-8 hrs.

PC-220SC is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time, therefore, use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time. PC-50 may be used to accelerate cure.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
PC-220SC has a shelf life of six (6) months from date of manufacture in original, factory-sealed containers.

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

For ease of application, materials should be applied in temperatures greater than 60°F (15.5°C).

Should be used as a base membrane only.

Not UV stable.

Cannot withstand direct wear or abrasion. Topcoat must be applied.

Containers that have been opened must be used as soon as possible.
Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**

This product contains Isocyanates.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

**LIMITED WARRANTY**

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of time (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied. Polycoat Products may at any time modify, improve or cease making the product, as it shall see fit.

In the event that the product of this manufacturer should prove to be defective, Polycoat Products shall not be responsible for any damages of any kind, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, testing, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

**DISCLAIMER**

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user's responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the user or to any other person or entity for any damage, direct or indirect, resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.
DESCRIPTION
PC-235 is a single component, liquid applied, moisture cured, aromatic polyurethane elastomeric waterproofing base membrane. This product does not meet VOC requirements for SCAQMD areas.

FEATURES
- Economical
- Moisture Cured
- Seamless Waterproofing Membrane

TYPICAL USES
- Concrete
- Plywood
- Metal
- Wood
- Masonry Surfaces

COLORS
Grey or Tan

Not a stock item. Minimum order of 250 gallons (945 liters) is required.

PACKAGING
- 5 gallon (18.9 liter) pail
- 55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix PC-235 using a mechanical mixer at slow speed. Mix PC-235 thoroughly until a homogeneous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

APPLICATION
For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

Requires a continuous coating application to minimize lines and/ or streaking.

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh’s minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

Most applications require two coats. To obtain proper adhesion between coats, it is imperative that re-coating be done within 48 hours.

CURING
At 75°F (24°C) and 50% relative humidity, allow coating to cure 16 hours before proceeding to subsequent coats. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime EBF-LV, 21, 2180 or 172 before proceeding.

If accelerated curing is required, add one quart of PC-50 in a 5 gallon pail of PC-235 and mix thoroughly. This accelerated PC-235 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

PC-235 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
PC-235 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Should be used as a base membrane only.

Not UV stable.

Cannot withstand direct wear or abrasion. Topcoat must be applied.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or
Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products technical specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacture which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, peeling, shrinkage, staining, chalking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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**DESCRIPTION**
PC-440 is a single component, liquid applied, moisture-cured, aromatic polyurethane elastomeric waterproofing base membrane, designed for use in most areas of California to be in compliance with air quality standards. PC-440SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

**FEATURES**
- Moisture Cured
- Seamless Waterproofing Membrane
- For use in SCAQMD areas, use only PC-440SC

**TYPICAL USES**
- Concrete
- Plywood
- Metal
- Wood
- Masonry Surfaces

**COLORS**
For PC-440: Grey or Tan
For PC-440SC: Grey. Tan color is available with minimum order of 250 gallons (945 liters).

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

**PACKAGING**
- 5 gallon (18.9 liter) pail
- 55 gallon drum, net fill 50 gallons (189 liters)

**MIXING**
Before application, mix PC-440 using a mechanical mixer at slow speed. Mix PC-440 thoroughly until a homogeneous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

**APPLICATION**
For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh's minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

Most applications require two coats. To obtain proper adhesion between coats, it is imperative that re-coating be done within 48 hours.

**CURING**
At 75°F (24°C) and 50% relative humidity, allow coating to cure 16 hours before proceeding to subsequent coats. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime EBF-LV, 21, 2180 or 172 before proceeding.

If accelerated curing is required, add one quart of PC-50 in a 5 gallon pail of PC-440 and mix thoroughly. This accelerated PC-440 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

PC-440 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

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### TECHNICAL DATA (Based on draw down film)

#### PC-440 (250VOC)
*(For Use In California Excluding SCAQMD Areas)*

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
<tr>
<td>Dry Film Thickness</td>
<td>11 ± 2 mils per coat at 1 gal/100 sq. ft.</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>55 ± 5 Shore A</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>250 ± 25 pli</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>800 ± 100 psi</td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>500 ± 50%</td>
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<tr>
<td>Specific Gravity</td>
<td>1.26</td>
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<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>81 ± 2%</td>
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<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>71 ± 2%</td>
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<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>6500 ± 3000cps</td>
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<tr>
<td>Volatile Organic Compounds</td>
<td>2.01 lb/gal</td>
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#### PC-440SC (100VOC)
*(For Use in SCAQMD Areas)*

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
<tr>
<td>Dry Film Thickness</td>
<td>14 ± 2 mils per coat at 1 gal/100 sq. ft.</td>
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<tr>
<td>Hardness, ASTM D-2240</td>
<td>50 ± 5 Shore A</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>180 ± 25 pli</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>500 ± 100 psi</td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>525 ± 50%</td>
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<tr>
<td>Specific Gravity</td>
<td>3.4 ± 0.7 MPa</td>
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<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>87.7%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>87.7%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>6500 ± 2000cps</td>
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<tr>
<td>Volatile Organic Compounds</td>
<td>0.78 lb/gal</td>
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<tr>
<td>ASTM D-2369-81</td>
<td>94 gm/liter</td>
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</table>
EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
PC-440 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.
Should be used as a base membrane only.
Not UV stable.
Cannot withstand direct wear or abrasion. Topcoat must be applied.
Containers that have been opened must be used as soon as possible.
Do not dilute under any circumstance.
The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates and Solvent.

STORAGE
PC-440 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.
Should be used as a base membrane only.
Not UV stable.
Cannot withstand direct wear or abrasion. Topcoat must be applied.
Containers that have been opened must be used as soon as possible.
Do not dilute under any circumstance.
The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates and Solvent.
PC-440SF
Solvent Free, Elastomeric, Aromatic Polyurethane Base Membrane
Technical Data Sheet

DESCRIPTION
PC-440SF is a single component, high solids, low odor, solvent free, environmentally safe, liquid applied, moisture-cured, aromatic polyurethane elastomeric waterproofing base membrane.

FEATURES
❖ Solvent Free ❖ Moisture Cured
❖ Seamless Waterproofing Membrane

TYPICAL USES
❖ Concrete ❖ Plywood
❖ Metal ❖ Wood
❖ Masonry Surfaces

COLORS
Grey or Tan

Not a stock item. Minimum order of 250 gallons (945 liters) is required.

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
5 gallon (18.9 liter) pail
55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix PC-440SF using a mechanical mixer at slow speed. Mix PC-440SF thoroughly until a homogeneous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

APPLICATION
For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh's minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

Most applications require two coats. To obtain proper adhesion between coats, it is imperative that re-coating be done within 48 hours.

CURING
At 75°F (24°C) and 50% relative humidity, allow coating to cure 16 hours before proceeding to subsequent coats. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime EBF-LV, 21, 2180 or 172 before proceeding.

If accelerated curing is required, add one quart of PC-50 in a 5 gallon pail of PC-440SF and mix thoroughly. This accelerated PC-440SF will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

PC-440SF is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
PC-440SF has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

For ease of application, solvent free (SF) materials should be applied in temperatures greater than 60°F (15.5°C).

Should be used as a base membrane only.

Not UV stable.

Cannot withstand direct wear or abrasion. Topcoat must be applied.

Containers that have been opened must be used as soon as possible.
as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**
This product contains Isocyanates.
**POLYCOAT PRODUCTS**  
A Division of American Polymers Corp.

**TECHNICAL DATA (Based on draw down film)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Mix Ratio by Volume</td>
<td>4A : 1B</td>
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<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
<tr>
<td>Dry Film Thickness, per coat at 1 gal/100 sq. ft</td>
<td>15 ± 2 mils</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>64 ± 2 Shore A</td>
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<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>230 ± 25 psi</td>
</tr>
<tr>
<td>Split Tear, ASTM D-470</td>
<td>60 ± 5 psi</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>1500 ± 100 psi</td>
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<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>95%</td>
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<tr>
<td>Volatile Organic Compounds*</td>
<td>0.46 lb/gal</td>
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<tr>
<td></td>
<td>55 gm/liter</td>
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</table>

*Contains some high boiling colorless plasticizers

**DESCRIPTION**

PC-260 is a two component, fast setting, fast curing, solvent free, flexible, high performance, and high solids polyurethane elastomeric coating that can be applied to suitably prepared interior or exterior concrete, plywood and metal surfaces. Due to its fast gel time, PC-260 is suitable for applications in temperatures as low as 20°F (-6°C). It may be applied in a single or multiple applications. PC-260 is also relatively insensitive to moisture and temperature allowing applications in varied temperatures and humidity.

**FEATURES**

- Non-Gassing
- Recoatable
- Coats Green (Vented) Concrete
- Seamless
- Can Be Applied at Any Thickness
- Good Thermal Stability
- Good Chemical Resistance
- Meets USDA Criteria
- Excellent Low Temperature Flexibility
- Interior or Exterior Applications

**TYPICAL USES**

- Vehicular Traffic Areas
- Sundecks & Balconies
- Crack Repairs
- Expansion Joints
- Stalls, Wash Racks, Kennel Runs
- Exterior & Interior Pedestrian Traffic Surfaces such as Walkways, Patios, Stairways
- Interior Surfaces such as Floors, Mechanical Rooms

**COLORS**

Grey. Tan color is available with minimum order of 250 gallons (945 liters).

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

**PACKAGING**

5 gallon kit: One 5 gallon pail, net fill 4 gallons (15.12 liters) of Part-A and One 1 gallon (3.78 liters) can of Part-B.

1 gallon kit: One 1 gallon can, net fill 0.8 gallons (3 liters) of Part-A and One quart can, net fill 0.2 gallons (0.78 liters) of Part-B.

**COVERAGE**

PC-260 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1520 sq. ft.

**SURFACE PREPARATION**

Refer to general guidelines for complete information.

**MIXING**

NOTE: PC-260 may not be diluted under any circumstances.

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Proportions are premeasured.

Using a mechanical mixer, first pre-mix separately Part-A and Part-B base material thoroughly to obtain a uniform color, making sure to scrape the solids from the bottom and sides of the pail.

Pour Part-B into Part-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Part-A and Part-B mixture thoroughly until uniform color is obtained.

**APPLICATION**

PC-260 should be applied at a temperature of 20°F (-6°C) and above.

For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh’s minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

**CURING**

At 75°F (24°C) and 50% relative humidity, allow each coat to cure for 2-4 hours before proceeding subsequent coats. Cure time will vary depending on temperature and humidity.
EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe, polyurethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

STORAGE
PC-260 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Do not open until ready to use. Any off ratio mixing of the product will affect the properties and the product may not cure.

PC-260 should be used as a base membrane only. Topcoat must be applied.

PC-260 cannot withstand direct wear and abrasion.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates and Curative Material.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products guide specifications and product data sheets when properly applied to a sound, properly prepared substrate. Polycoat Products also warrants that when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, PC-260 will act as a water barrier and will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for any use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, hiding, chalking, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

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14722 Spring Avenue • Santa Fe Springs, CA 90670-5108 USA • Tel: 562/802-8834 • Fax: 562/921-7363 • www.polycoatusa.com • Copyright© March 2011 Polycoat Products
DESCRIPTION
PC-280 is a two component, very rapid setting, rapid curing, solvent free, flexible, high performance, and high solids polyurethane elastomeric coating that can be applied to suitably prepared interior or exterior concrete, plywood and metal surfaces. Due to very rapid gel time, PC-280 is suitable for applications in temperatures as low as 20°F (-6°C). It may be applied in a single or multiple applications. PC-280 is also relatively insensitive to moisture and temperature allowing applications in varied temperatures and humidity.

FEATURES
- Non-Gassing
- Very rapid setting and cure
- Coats Green (Vented) Concrete
- Seams Seamless
- Can Be Applied at Any Thickness
- Good Thermal Stability
- Good Chemical Resistance
- Meets USDA Criteria
- Excellent Low Temperature Flexibility
- Interior or Exterior Applications

TYPICAL USES
- Vehicular Traffic Areas
- Sundecks & Balconies
- Crack Repair
- Stalls, Wash Racks, Kennel Runs
- Exterior & Interior Pedestrian Traffic Surfaces such as Walkways, Patios, Stairways
- Interior Surfaces such as Floors, Mechanical Rooms

COLORS
Grey. Tan color is available with minimum order of 250 gallons (945 liters).
Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
5 gallon kit: One 5 gallon pail, net fill 4 gallons (15.12 liters) of Part-A and One 1 gallon (3.78 liters) can of Part-B.
1 gallon kit: One 1 gallon can, net fill 0.8 gallons (3 liters) of Part-A and One quart can, net fill 0.2 gallons (0.78 liters) of Part-B.

COVERAGE
PC-280 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1520 sq. ft.

SURFACE PREPARATION
Refer to general guidelines for complete information.

MIXING
NOTE: PC-280 may not be diluted under any circumstances. Proportions are premeasured.
Using a mechanical mixer, first pre-mix separately Part-A and Part-B base material thoroughly to obtain a uniform color, making sure to scrape the solids from the bottom and sides of the pail.
Pour Part-B into Part-A slowly and while mixing, scrape the sides of the container. Mix for 1-2 minutes. Box the materials. Mix the combined Part-A and Part-B mixture thoroughly until uniform color is obtained.

APPLICATION
PC-280 should be applied at a temperature of 20°F (-6°C) and above.
For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.
Requires a continuous coating application to minimize lines and/or streaking.
It is recommended to apply an aggregate of washed, dry, rounded sand, approximately 16 or 20 mesh (0.0331-0.0469 in.; 0.84-1.19 mm), 6.5+ Moh's minimum hardness at a rate of 20 lbs/100 sq. ft. or as required to achieve a slip-resistant finish, into the wet second coat, covering it completely.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure for 2-4 hours before proceeding subsequent coats. Cure time will vary depending on temperature and humidity.

TECHNICAL DATA (Based on draw down film)
Mix Ratio by Volume ................................. 4A : 1B
Dry Film Thickness,
per coat at 1 gal/100 sq. ft. .......................... 15 ± 2 mils
                                      381 ± 50 microns
Hardness, ASTM D-2240 ............................ 80 ± 3 Shore A
Tear Resistance, Die C, ASTM D-624 .............. 300 ± 25 pli
                                      52.5 ± 4.4 kNm
Tensile Strength, ASTM D-412 ..................... 2500 ± 100 psi
                                      17.2 ± 0.7 MPa
Ultimate Elongation, ASTM D-412 ................. 800 ± 100%
Total Solids by Weight, ASTM D-2369 .......... 100%
Total Solids by Volume, ASTM D-2697 ........ 100%
Viscosity at 80°F (26°C) ........................... 20 ± 10 poise
Volatile Organic Compounds*
ASTM D-2369-81 ..................................... 0.04 lb/gal
                                      5 gm/liter
*Contains some high boiling colorless plasticizers
EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe, polyurethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

STORAGE
PC-280 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Do not open until ready to use. Any off ratio mixing of the product will affect the properties and the product may not cure.
PC-280 should be used as a base membrane only. Topcoat must be applied.
PC-280 cannot withstand direct wear and abrasion.
The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates and Curative Material.
TECHNICAL DATA (Based on draw down film)
(For PC-550 unmixed with catalyst)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dry Film Thickness, per coat at 1 gal/100 sq. ft</td>
<td>12 ± 2 mils</td>
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<tr>
<td>Hardness, ASTM D-2240</td>
<td>55 ± 5 Shore A</td>
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<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>210 ± 20 pli</td>
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<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>500 ± 50%</td>
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<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>2000 ± 1000cps</td>
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<tr>
<td>Volatile Organic Compounds, ASTMD-2369-81</td>
<td>1.71 lbs/gal</td>
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<tr>
<td>Specific Gravity</td>
<td>1.25</td>
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<td>Total Solids by Weight, ASTM D-2369</td>
<td>82%</td>
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<td>Total Solids by Volume, ASTM, D-2697</td>
<td>76%</td>
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<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>6.9 ± 0.7 Mpa</td>
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</tbody>
</table>

DESCRIPTION
PC-550 is a single component water catalyzed polyurethane polyurea, liquid applied elastomeric waterproof base membrane. This product does not meet VOC requirements for SCAQMD areas.

FEATURES
- Non-Gassing
- Fast Curing
- Seamless Membrane
- Water Catalyzed
- Applied at any thickness

TYPICAL USES
- Parking Decks
- Concrete
- Pedestrian Decks
- Plywood
- Helicopter Pads
- Masonry
- Ship Decks
- Metal
- Under Tile

COLOR
Grey

CUSTOM colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
5 gallon (18.9 liter) pail with 1 vial of Catalyst

SUBSTRATES
Refer to general guidelines for complete information.

JOINTS, CRACKS AND FLASHINGS
Refer to general guidelines for complete information.

SLOPING AND CONCRETE REPAIRS
Concrete repairs can be made prior to coating with a sand or rubber slurry mixture of 1 part mixed PC-550 (see mixing instructions below) to 1 part clean sand or rubber. Light foot traffic is allowed in approximately 2 hours depending on weather conditions.

PC-550 can be thickened with rubber granules by no more than 10% by volume.

COVERAGERATE
One gallon of PC-550 mixed with one quart of water will provide 14 mils of coverage over 100 sq. ft.

Plywood or uneven surfaces may require additional material to achieve the same mil thickness.

MIXING
Before application, mix PC-550 using a mechanical mixer at slow speed. Add PC-550 Catalyst and mix thoroughly until a homogenous mixture is obtained. Use care not to allow the entrapment of air into the mixture.

Mix PC-550 with water (water must be added) at a ratio of one quart of water to one gallon of PC-550. This will yield 1¾ gallon of membrane. The mixing ratio is 4 parts PC-550 to 1 part of water (4:1).

APPLICATION
For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to trap air which may result in bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

Concrete, metal and old plywood surfaces should be primed.

For best results, use a squeegee or a notched trowel.

Requires a continuous coating application to minimize lines and/or streaking.

Apply Polyprime 21 or 2180 to a PC-550 surface which is more than 16 hours old to achieve the best intercoat adhesion.

An aggregate of 14-30 rubber granules may be broadcast into the PC-550 membrane at a rate of 10 lbs. per 100 sq. ft. or to refusal. The amount of rubber used will vary.

A sand aggregate may also be used. Sand aggregate should be applied only in second coat.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure for 2-4 hours before proceeding subsequent coats. Cure time will vary depending on temperature and humidity.

EQUIPMENT CLEANUP
Equipment should be cleaned with environmentally safe solvent immediately after use.
STORAGE
PC-550 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Using a clear topcoat on this system will result in a cloudy, milky finish.

Surfaces must be dry, clean and free of foreign matter. Keep unopened containers from freezing.

Do not apply if temperature is below 50°F (10°C) or above 90°F (32.2°C).

Surface may be slippery when wet.

PC-550 is not UV stable and must have a topcoat applied.

PC-550 may shrink.

PC-550 is a fast curing material and must be applied immediately after mixing with water.

Containers that have been opened must be used as soon as possible.

The following conditions must not be coated with Polycote Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates and Solvents.
DESCRIPTION
PC-850 is a two component, 1:1, high solids, fast set, liquid applied, polyurea waterproofing base membrane.

FEATURES
- Seamless
- Tough and Elastomeric
- Low Temperature Flexibility
- Quick Drying
- Low Pressure Application

TYPICAL USES
- Crack Repairs
- Sundecks & Balconies
- Stalls, Wash Racks, Kennel Runs
- Exterior & Interior Pedestrian Traffic Surfaces such as Walkways, Patios, Stairways
- Interior Surfaces such as Floors, Mechanical Rooms

COLOR
Concrete Grey

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
10 gallon kit: One 5 gallon (18.9 liters) pail of Side-A and one 5 gallon (18.9 liters) pail of Side-B.

100 gallon kit: One 55 gallon drum, net fill 50 gallons (189 liters) of Side-A and 55 gallon drum, net fill 50 gallons (189 liters) of Side-B.

COVERAGE
PC-850 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sq. ft.

SURFACE PREPARATION
In general, coating performance and adhesion are directly proportional to surface preparation. Most failures in the performance of surface coatings can be attributed to poor surface preparation. Polyurea coatings rely on the structural strength of the substrate to which they are applied. All surfaces must be free of dust, dirt, oil, grease, rust, corrosion and other contaminants. When coating substrates previously used, it is important to consider the possibility of substrate absorption, which may affect the adherence of the coating system, regardless of the surface preparation. Polycoat recognizes the potential for unique substrates from one project to another. The following information is for general reference, and for project-specific questions, contact Polycoat.

New and Old Concrete:
Refer to SSPC-SP13/NACE 6, or ICRI 03732: CSP 3-5. New concrete must be cured for 28 days prior to product application. Surface must be clean, dry, sound and offer sufficient profile for product adhesion. Remove all dust, dirt, oil, form release agents, curing compounds, salts, efflorescence, laitance and other foreign matter by shotblasting and/or suitable chemical means, in accordance with local chemical regulations. Rinse thoroughly, to achieve a pH between 8.0 and 11.0. Allow to dry completely. If old concrete has a surface that has deteriorated to an unacceptably rough surface, Polycoat Products PC-260 or a mixture of Polyprime 21 and sand (1 part Polyprime to 2 parts sand) should be used as a repair agent for cracks, spalls, bug holes and voids. Upon full cure of the repair agent, prime the entire surface intended for coating.

Concrete Surface Preparation Reference:
ASTM D4258 - Standard practice for cleaning concrete
ASTM D4259 - Standard practice for abrading concrete
ASTM D4260 - Standard practice for etching concrete
ASTM F1869 - Standard test method for measuring moisture vapor emission rate of concrete
ICRI 03732 - Concrete surface preparation

Wood:
All wood should be clean, dry and free of any knots, splinters, oil, grease or other contaminants. Splintered or rough areas should be sanded. Knots should be repaired using Polycoat Products PC-260 with sand. Upon full cure of the repair agent, prime the entire surface intended for coating. New plywood does not require priming.

Steel (Atmospheric and Immersion Exposure):
Remove all oil, grease, weld spatters and round off any sharp edges from surface. Minimum surface preparation is Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Optimum surface profile is 2-3 mils. Prime and shoot Polyuro®
on to any bare metal the same day as it is cleaned to minimize any potential flash rusting.

**All Other Surfaces:** An adhesion test is recommended prior to starting the project.

**MIXING**
PC-850 may not be diluted under any circumstances.

Pre-mix Side-B material before combining with Side-A. Side-A material requires no mixing.

Use Caution not to whip too much air into the material as this may result in pinhole blisters or shortened potlife. Use only jiffy mixer.

**APPLICATION**
Both Side-A and Side-B materials should be preconditioned to 75-80°F (24-27°C) before application.

Recommended surface temperature must be at least 5°F (3°C) above the dew point.

PC-850 should be applied using plural component, low pressure spray mixing equipment. The simple spray equipment can have a single motor driving two separate fixed ratio proportioning pumps. Side-A and Side-B are pumped separately to a static mixing tube for air assisted or airless spray. It is recommended to use a x 24 element mixing wand/Static spiral mixer for proper mixing.

Contact Polycoat Products for further information.

**STORAGE**
PC-850 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Avoid exposure to freezing temperatures.

Store drums on wooden pallets to avoid direct contact with the ground.

If stored for a long period of time, rotate Side-A and Side-B drums regularly.

**LIMITATIONS**
Do not open until ready to use.

Both Side-A and Side-B containers must be fitted with a desiccant venting device during use to avoid moisture contamination.

Do not dilute under any circumstance.

PC-850 should be used as a base membrane only. Topcoat must be applied.

PC-850 cannot withstand direct wear and abrasion.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**
This product contains isocyanate and curative material.

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Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

**LIMITED WARRANTY**
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products’ current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products’ guide specifications and product data sheets, will not allow water migration for a period of time (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any kind, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

**DISCLAIMER**
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and tests, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee its performance under any specific conditions other than those stated herein. Use this product according to instructions. Statements or representations, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any others, accurately represent all environments.

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**DESCRIPTION**
PC-50 is a single component, proprietary liquid thickener/accelerator for Polycoat Products base membranes. This accelerator enhances the moisture curing characteristics that accelerate the cure time and causes the coating to thicken. PC-50 is designed to be used with the following waterproofing base membranes: PC-220, PC-220SF, PC-220OF, PC-440, PC-440SF and PC-440SC.

**FEATURES**
- Fast Cure Time
- Creates a Thixotropic Compound
- Saves in Labor Cost - Apply Two Coats in One Day

**TYPICAL USES**
- Vertical Surfaces
- When Quick Access is Necessary
- Creates a Caulking Compound for Plywood Joints, Cracks, Concrete Expansion Joints and Flashings

**COLOR**
Amber

**PACKAGING**
1 quart (0.95 liter) can
1 gallon (3.78 liter) can

**MIXING**
PC-50 may be mixed into the PC-220, PC-220SF, PC-220OF, PC-440, PC-440SF or PC-440SC base membranes. Mix base membrane thoroughly then add and mix PC-50 into the base membrane until a homogeneous mixture and color is obtained or for at least 5 minutes, if mixed by hand.

The mixing ratio of PC-50 to base membrane is: ½ pint (or less) PC-50 to 1 gallon base membrane (0.24 liters PC-50 to 3.78 liters base membrane)

- or -
1 quart (or less) PC-50 to 5 gallons base membrane (0.95 liters PC-50 to 18.9 liters base membrane)

The pot life of the resulting thixotropic compound is approximately 15 to 20 minutes at 75°F (24°C) and 50% relative humidity.

**EQUIPMENT CLEANUP**
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

**STORAGE**
PC-50 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

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**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
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<tbody>
<tr>
<td>Pot Life at 75°F (24°C), 50% R.H</td>
<td>15-20 minutes</td>
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<tr>
<td>Mixing Ratio, (PC-50:Base Membrane)</td>
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<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>100%</td>
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<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>100%</td>
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<tr>
<td>Specific Gravity</td>
<td>0.98</td>
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<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>100 ± 50 cps</td>
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<tr>
<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>0 lb/gal</td>
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<tr>
<td></td>
<td>0 gm/liter</td>
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**LIMITATIONS**
Excessive PC-50 will result in a reduction of the physical properties of the base membrane.

- Not UV stable.
- Cannot withstand direct wear or abrasion.
- Surfaces must be dry, clean and free of foreign matter.
- After mixing material must be used within 15-20 minutes.
- Do not dilute under any circumstance.

**WARNING**
This product contains Curatives.
Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products' published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, testing, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the user, general contractor or applicator for use of this or any other product or for damages of any sort, including remote or consequential damages directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.

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DESCRIPTION
Polyglaze 202 is an economical, aliphatic, single component, liquid applied, moisture cured, polyurethane surface protection coating. This product does not meet VOC requirements for SCAQMD areas.

FEATURES
❖ UV Stable
❖ Excellent Color Retention
❖ Excellent Weatherability

TYPICAL USES
❖ Topcoat for Foam Insulated Tanks
❖ Topcoat for Wine Storage Tanks

COLORS
White

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
1 gallon (3.78 liter) can
5 gallon (18.9 liter) pail
55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix Polyglaze 202 using a mechanical mixer at slow speed. Mix Polyglaze 202 thoroughly until a homogenous mixture and color is obtained.

APPLICATION
The first coat of Polyglaze 202 should be applied at the rate of 1 gallon/100 square feet (0.41 liters/square meter). For best results, airless sprayer or phenolic core roller may be used but extra care should be taken not to cause air bubbles. Apply Polyglaze 202 evenly over the entire deck resulting in 13 ± 2 dry mils (330 ± 50 microns). After 24 hours, proceed to the second coat.

Polyglaze 202 may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21, 2180 or 172 before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on to the finished surface.

Uncured Polyglaze 202 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Polyglaze 202 and mix thoroughly. This accelerated Polyglaze 202 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity

EQUIPMENTCLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyglaze 202 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Surface may be slippery when wet.

Polyglaze 202 may become flat and stained over time.

Polyglaze 202 has limited chemical resistance properties.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

Refer to general guidelines for more information.

TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value (per coat)</th>
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<tbody>
<tr>
<td>Coverage Rate</td>
<td>1 gal/100 sq.ft.</td>
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<tr>
<td>Dry Film Thickness</td>
<td>13 ± 2 mils</td>
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<tr>
<td>Hardness, ASTM D-2240</td>
<td>95 ± 5 Shore A</td>
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<td>Tear Resistance, ASTM D-624</td>
<td>400 ± 50 psi</td>
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<td>Tensile Strength, ASTM D-412</td>
<td>29.2 ± 2.1 MPa</td>
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<td>Ultimate Elongation, ASTM D-412</td>
<td>200% ± 50</td>
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<tr>
<td>Specific Gravity</td>
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<td>Total Solids by Weight, ASTM D-2369</td>
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<td>Total Solids by Volume, ASTM D-2697</td>
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<tr>
<td>Viscosity at 24°C (75°F)</td>
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<td>Volatile Organic Compounds</td>
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<tr>
<td>ASTM D-2369-81</td>
<td>&lt;180 gm/liter</td>
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</tbody>
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POLYGLAZE 202
Aliphatic Polyurethane Topcoat
Technical Data Sheet
The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates and Solvent.
POLYGLAZE 100 / 100C / 100SC
Aliphatic Polyurethane Topcoat
Technical Data Sheet

DESCRIPTION
Polyglaze 100 is a polyester, aliphatic, single component, liquid applied, moisture cured, polyurethane topcoat for waterproofing membrane systems. Polyglaze 100C is designed for use in California to be in compliance with air quality standards. Polyglaze 100SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES
❖ Durable
❖ Excellent Weatherability
❖ Seamless Waterproofing Membrane
❖ UV Resistant For Gloss Retention
❖ For use in SCAQMD areas, use only Polyglaze 100SC
❖ For use in California, excluding SCAQMD areas, use only Polyglaze 100C

TYPICAL USES
❖ Concrete
❖ Plywood
❖ Heavy Pedestrian Traffic
❖ Some Types of Chemical Spills
❖ Re-sealing Existing Polyurethane Surfaces
❖ Most Metal, Wood, or Masonry Surfaces

COLOR
For Polyglaze 100 (340VOC): Clear and Tan

For Polyglaze 100C (250VOC): Tan, Dolphin Grey, Red and White. Tint-White with color packs are available in Stone Grey, Battleship Grey, Indian Sand, and Ash Brown

For Polyglaze 100SC (100VOC): Tint-White with color packs are available in Stone Grey, Dolphin Grey, Battleship Grey, Tan, Indian Sand and Ash Brown

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
1 gallon (3.78 liter) can
5 gallon (18.9 liter) pail
55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix Polyglaze 100 using a mechanical mixer at slow speed until a homogeneous mixture and color is obtained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
Apply Polyglaze 100 evenly over the entire deck. For best results, airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Polyglaze 100 may require more than one coat depending on

TECHNICAL DATA (Based on draw down film)
Polyglaze 100 Pigmented (340 VOC)
(For Use Outside of California)

Coverage Rate.............................................. See Guide
Dry Film Thickness, exclusive of aggregate,
Per coat at 1 gal/100 sq. ft. ..................... 10 ± 2 mils
Hardness, ASTM D-2240 ..................... 95 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624 .... 500 ± 50 pli
Tensile Strength, ASTM D-412 ............. 380 ± 300 psi
Ultimate Elongation, ASTM D-412 ............. 26.2 ± 2.1 MPa
Specific Gravity ........................................... 1.14
Total Solids by Weight, ASTM D-2369 ......... 70 ± 2%
Total Solids by Volume, ASTM D-2697 ........ 61 ± 2%
Viscosity at 75°F (24°C) ......................... 1200 ± 600 cps
Volatile Organic Compounds, ............... 2.79 lb/gal
ASTM D-2369-81 ........................................ 334 gmliter

FEATURES
Specifications

TECHNICAL DATA (Based on draw down film)
Polyglaze 100C Pigmented (250 VOC)
(For Use In California Excluding SCAQMD Areas)

Coverage Rate.............................................. See Guide
Dry Film Thickness, exclusive of aggregate,
Per coat at 1 gal/100 sq. ft. ..................... 10 ± 2 mils
Hardness, ASTM D-2240 ..................... 95 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624 .... 450 ± 50 pli
Tensile Strength, ASTM D-412 ............. 4000 ± 300 psi
Ultimate Elongation, ASTM D-412 ............. 250 ± 25%
Specific Gravity ........................................... 1.12
Total Solids by Weight, ASTM D-2369 ......... 71 ± 2%
Total Solids by Volume, ASTM D-2697 ........ 65 ± 2%
Viscosity at 75°F (24°C) ......................... 1500±1000cps
Volatile Organic Compounds, ............... 2.09 lb/gal
ASTM D-2369-81, (with exempt solvent) .... 250 gmliter

TECHNICAL DATA (Based on draw down film)
Polyglaze 100SC Pigmented (100 VOC)
(For Use Outside of California)

Coverage Rate.............................................. See Guide
Dry Film Thickness, exclusive of aggregate,
Per coat at 1 gal/100 sq. ft. ..................... 12 ± 2 mils
Hardness, ASTM D-2240 ..................... 95 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624 .... 450 ± 50 pli
Tensile Strength, ASTM D-412 ............. 3500 ± 300 psi
Ultimate Elongation, ASTM D-412 ............. 200 ± 25%
Specific Gravity ........................................... 1.31
Total Solids by Weight, ASTM D-2369 ......... 75.6 ± 2%
Total Solids by Volume, ASTM D-2697 ........ 73.4 ± 2%
Viscosity at 75°F (24°C) ......................... 2000 ± 500cps
Volatile Organic Compounds, ............... 0.82 lb/gal
ASTM D-2369-81, (with exempt solvent) .... 98 gmliter
the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that recoating be done within 48 hours.

When Polyglaze 100 Clear is used as a seal coat only, the surface must be clean, dry and primed with Polypreme to achieve proper adhesion to the surface. Polypreme may discolor when used under Polyglaze 100 Clear as a seal coat.

Requires a continuous coating application to minimize lines and/or streaking.

**CURING**

At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours between each coat. Cure time will vary depending on temperature and humidity.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or auto traffic on to the finished surface. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 2180 before proceeding.

Uncured Polyglaze 100 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time. If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Polyglaze 100 and mix thoroughly. This accelerated Polyglaze 100 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity

**EQUIPMENT CLEANUP**

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

**STORAGE**

Polyglaze 100 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers.

**LIMITATIONS**

Surfaces must be dry, clean and free of foreign matter.

Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.

Surface may be slippery when wet.

Primer cannot be used between coats of Polyglaze 100 Clear as it will discolor.
DESCRIPTION
Polyglaze 400 is a polyester, aliphatic, single component, liquid applied, moisture cured, polyurethane topcoat for waterproofing membrane systems. Polyglaze 400C is designed for use in most areas of California to be in compliance with air quality standards. Polyglaze 400SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES
❖ Durable
❖ Excellent Weatherability
❖ Seamless Waterproofing Membrane
❖ UV Resistant For Gloss Retention
❖ For use in SCAQMD areas, use only Polyglaze 400SC
❖ For use in California, excluding SCAQMD areas, use only Polyglaze 400C

TYPICAL USES
❖ Concrete
❖ Plywood
❖ Heavy Pedestrian Traffic
❖ Vehicular Traffic
❖ Some Types of Chemical Spills
❖ Re-sealing Existing Polyurethane Surfaces
❖ Most Metal, Rubber, Wood, or Masonry Surfaces

COLOR
For Polyglaze 400 (340 VOC): Clear and Tan
For Polyglaze 400C (250 VOC): Tan, Dolphin Grey, Red and White. Tint-White with color packs are available in Stone Grey, Battleship Grey, Indian Sand, and Ash Brown
For Polyglaze 400SC (100 VOC): Tint-White with color packs are available in Stone Grey, Dolphin Grey, Battleship Grey, Tan, Indian Sand and Ash Brown

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
1 gallon (3.78 liters) can
5 gallon (18.9 liters) pail
55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix Polyglaze 400 using a mechanical mixer at slow speed until a homogeneous mixture and color is obtained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
Apply Polyglaze 400 evenly over the entire deck. For best results, use a squeegee. Airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.
Polyglaze 400 may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that recoating be done within 48 hours.

When Polyglaze 400 Clear is used as a seal coat only, the surface must be clean, dry and primed with Polyprime to achieve proper adhesion to the surface. Polyprime may discolor when used under Polyglaze 400 Clear as a seal coat. Requires a continuous coating application to minimize lines and/or streaking.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or auto traffic on to the finished surface. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 2180 before proceeding.

Uncured Polyglaze 400 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time. If accelerated curing is required, add one quart of Polyglaze Hardener in a gallon pail of Polyglaze 400 and mix thoroughly. This accelerated Polyglaze 400 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyglaze 400 a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.

Surface may be slippery when wet.

Primer cannot be used between coats of Polyglaze 400 Clear, as it will discolor.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycote Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates and Solvent.

Polyglaze 400 Clear is considered Dangerous Goods. DOT regulations classify it as: UN 1263, PAINT, Class 3, PG III, FLAMMABLE LIQUID.
DESCRIPTION
Polyglaze 400FR is an aliphatic, two component, liquid applied, moisture cured, polyurethane coating. Polyglaze 400C-FR is designed for use in most areas of California to be in compliance with air quality standards. Polyglaze 400SC-FR is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES
- Fire Retardant
- Durable
- UV Resistance For Gloss Retention
- For use in SCAQMD areas, use only Polyglaze 400SC-FR
- For use in California, excluding SCAQMD areas, use only Polyglaze 400C-FR

TYPICAL USES
- Concrete
- Plywood
- Heavy Pedestrian Traffic
- Vehicular Traffic

COLORS
For Polyglaze 400FR (340 VOC): Tan

For Polyglaze 400C-FR (250 VOC): Tan, Dolphin Grey, Red and White. Tint-White with color packs are available in Stone Grey, Battleship Grey, Indian Sand, and Ash Brown

For Polyglaze 400SC-FR (100 VOC): Tint-White with color packs are available in Stone Grey, Dolphin Grey, Battleship Grey, Tan, Indian Sand and Ash Brown

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
6 gallon kit: One 6 gallon (22.7 liter) pail containing 1 gallon (3.78 liter) bag of Polyglaze 400 FR Part-1 Powder and One 5 gallon (18.9 liter) pail containing 5 gallons of Polyglaze 400 FR Part-2 Liquid.

MIXING
The volume mixing ratio is 1 part Polyglaze 400FR Part-1 Powder to 5 parts of Polyglaze 400 FR Part-2 Liquid.

Step 1: Mix the Polyglaze 400 Liquid using a mechanical mixer at slow speed until a homogeneous mixture and color is obtained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

Step 2: Remove plastic bag of Polyglaze 400 FR Part-1 Powder from the 6 gallon (22.68 liter) pail and set aside. Fill this empty container half full with the pre-mixed Polyglaze 400 FR Part-2 Liquid. Slowly add Polyglaze 400 FR Part-1 Powder, mixing with mechanical mixer. Ensure that all powder is transferred from the bag to the container. Continue mixing until no lumps are present, again being careful not to entrap air in the mixture.

Step 3: When Polyglaze 400 FR Part-1 Powder has been thoroughly blended into Polyglaze 400 FR Part-2 Liquid add the rest of Polyglaze 400 FR Part-2 Liquid. Mix with mechanical mixer until uniform mixture is obtained. Mixed material must be used within 2-4 hours of mixing the two components.

TECHNICAL DATA (Based on draw down film)
Polyglaze 400FR Pigmented (340 VOC)
(For Use Outside of California)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Coverage Rate</td>
<td>1.1 gal/100 sq.ft. 0.51 l/m²</td>
</tr>
<tr>
<td>Dry Film Thickness per Coat</td>
<td>13 ± 2 mils</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>95 ± 5 Shore A</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.36</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>79 ± 2%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>68 ± 2%</td>
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<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>2400 ± 500 cps</td>
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<tr>
<td>Volatile Organic Compounds</td>
<td></td>
</tr>
<tr>
<td>ASTM D-2369-81</td>
<td>2.33 lb/gal, 280 gm/liter</td>
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TECHNICAL DATA (Based on draw down film)
Polyglaze 400C-FR Pigmented (250 VOC)
(For Use In California Excluding SCAQMD Areas)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Coverage Rate</td>
<td>1.1 gal/100 sq.ft. 0.51 l/m²</td>
</tr>
<tr>
<td>Dry Film Thickness per Coat</td>
<td>13 ± 2 mils</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>95 ± 5 Shore A</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.42</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>79 ± 2%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>71 ± 2%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>2700 ± 500 cps</td>
</tr>
<tr>
<td>Volatile Organic Compounds</td>
<td></td>
</tr>
<tr>
<td>ASTM D-2369-81</td>
<td>1.67 lb/gal, 200 gm/liter</td>
</tr>
</tbody>
</table>

TECHNICAL DATA (Based on draw down film)
Polyglaze 400SC-FR Pigmented (100 VOC)
(For Use In SCAQMD Areas)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Coverage Rate</td>
<td>1.1 gal/100 sq.ft. 0.51 l/m²</td>
</tr>
<tr>
<td>Dry Film Thickness per Coat</td>
<td>13 ± 2 mils</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>95 ± 5 Shore A</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.49</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>82 ± 2%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>77 ± 2%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>3500 ± 500 cps</td>
</tr>
<tr>
<td>Volatile Organic Compounds</td>
<td></td>
</tr>
<tr>
<td>ASTM D-2369-81</td>
<td>0.71 lb/gal, 85 gm/liter</td>
</tr>
</tbody>
</table>
APPLICATION
For best results, airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 2180 before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Uncured Polyglaze 400 FR is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Polyglaze 400FR Part-2 Liquid and mix thoroughly. This accelerated Polyglaze 400FR will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.

EQUIPMENT CLEANSUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyglaze 400 FR has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Surface may be slippery when wet.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

Mix only materials that can be used within 2-4 hours.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates and Solvent.
DESCRIPTION
Polyglaze AL-50 is an economical, aliphatic, single component, liquid applied, moisture cured, polyurethane surface protection coating. Polyglaze AL-50SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES
- UV Stable
- Good Color Retention
- Excellent Weatherability
- For use in SCAQMD areas, use only Polyglaze AL-50SC

TYPICAL USES
- Pedestrian Traffic
- Concrete or Plywood Decks
- Resealing Existing Urethane Surfaces
- Most Metal, Rubber, Wood, or Masonry Surfaces

COLORS

For Polyglaze AL-50SC (100VOC): Tint-White with color packs available in Stone Grey, Dolphin Grey, Battleship Grey, Tan, Indian Sand and Ash Brown

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
1 gallon (3.78 liter) can
5 gallon (18.9 liter) pail
55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix Polyglaze AL-50 using a mechanical mixer at slow speed. Mix Polyglaze AL-50 thoroughly until a homogenous mixture and color is obtained.

APPLICATION
The first coat of Polyglaze AL-50 should be applied at the rate of 1 gallon/100 square feet (0.41 liters/square meter). For best results, airless sprayer or phenolic core roller may be used but extra care should be taken not to cause air bubbles. Apply Polyglaze AL-50 evenly over the entire deck resulting in 11 ± 2 dry mils (278 ± 51 microns). After 24 hours, proceed to the second coat.

Polyglaze AL-50 may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21, 2180 or 172 before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on to the finished surface.
Uncured Polyglaze AL-50 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time. If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Polyglaze AL-50 and mix thoroughly. This accelerated Polyglaze AL-50 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity

Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

Polyglaze AL-50 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Surfaces must be dry, clean and free of foreign matter. Surface may be slippery when wet. Polyglaze AL-50 may become flat and stained over time. Polyglaze AL-50 has limited chemical resistance properties. Containers that have been opened must be used as soon as possible. Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

This product contains Isocyanates and Solvent.
**POLYGLAZAEAR**

Aromatic Polyurethane Topcoat

**Technical Data Sheet**

**DESCRIPTION**
Polyglaze AR is an aromatic, one component, liquid applied, moisture cured, polyurethane coating. This product does not meet VOC requirements for SCAQMD areas.

**FEATURES**
- Good Weatherability

**TYPICAL USES**
- Concrete
- Pedestrian Traffic
- Vehicular Traffic
- Resealing Existing Polyurethane Surfaces
- Metal, Rubber, Wood, or Masonry Surfaces

**COLORS**
Stone Grey and Tan

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

**PACKAGING**
1 gallon (3.78 liter) can with vial of catalyst
5 gallon (18.9 liter) pail with ½ pint (0.24 liter) can of catalyst
55 gallon drums, net fill 50 gallons (189 liters) with 1 quart (0.95 liter) can of catalyst

**MIXING**
Before application, mix Polyglaze AR using a mechanical mixer at slow speed. Add Polyglaze AR Catalyst and continue mixing until a homogeneous mixture and color is obtained. Boxing of the material is recommended. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

**APPLICATION**
For best results, use a squeegee. Airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

Polyglaze AR may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that recoating be done within 48 hours.

When Polyglaze AR is used as a seal coat only, the surface must be clean, dry and primed with Polyprime 21 to achieve proper adhesion to the surface.

**CURING**
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 2180 before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or auto traffic on the finished surface.

Uncured Polyglaze AR is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Polyglaze AR and mix thoroughly. This accelerated Polyglaze AR will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity

**EQUIPMENT CLEANUP**
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

**STORAGE**
Polyglaze AR has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers.

**LIMITATIONS**
Surfaces must be dry, clean and free of foreign matter.

Surface may be slippery when wet.

Will fade, chalk and discolor over time.

Containers that have been opened must be used as soon as possible.

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**TECHNICAL DATA (Based on draw down film)**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
<tr>
<td>Dry Film Thickness</td>
<td>11 ± 2 mils</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>90 ± 5 Shore A</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>400 ± 50 pli</td>
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<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>2800 ± 200 psi</td>
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<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>375 ± 50%</td>
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<tr>
<td>Specific Gravity</td>
<td>1.17</td>
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<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>80.1%</td>
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<td>Total Solids by Volume, ASTM D-2697</td>
<td>71.8%</td>
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<td>Viscosity at 75°F (24°C)</td>
<td>1000 ± 500 cps</td>
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<tr>
<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>2.07 lb/gal</td>
</tr>
</tbody>
</table>

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**DESCRIPTION (Based on draw down film)**

Polyglaze AR is an aromatic, one component, liquid applied, moisture cured, polyurethane coating. This product does not meet VOC requirements for SCAQMD areas.

**FEATURES**
- Good Weatherability

**TYPICAL USES**
- Concrete
- Plywood
- Pedestrian Traffic
- Vehicular Traffic
- Resealing Existing Polyurethane Surfaces
- Metal, Rubber, Wood, or Masonry Surfaces

**COLORS**
Stone Grey and Tan

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

**PACKAGING**
1 gallon (3.78 liter) can with vial of catalyst
5 gallon (18.9 liter) pail with ½ pint (0.24 liter) can of catalyst
55 gallon drums, net fill 50 gallons (189 liters) with 1 quart (0.95 liter) can of catalyst

**MIXING**
Before application, mix Polyglaze AR using a mechanical mixer at slow speed. Add Polyglaze AR Catalyst and continue mixing until a homogeneous mixture and color is obtained. Boxing of the material is recommended. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

**APPLICATION**
For best results, use a squeegee. Airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

Polyglaze AR may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that recoating be done within 48 hours.

When Polyglaze AR is used as a seal coat only, the surface must be clean, dry and primed with Polyprime 21 to achieve proper adhesion to the surface.

**CURING**
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 2180 before proceeding.

Allow 24 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or auto traffic on the finished surface.

Uncured Polyglaze AR is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Polyglaze AR and mix thoroughly. This accelerated Polyglaze AR will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity

**EQUIPMENT CLEANUP**
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

**STORAGE**
Polyglaze AR has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers.

**LIMITATIONS**
Surfaces must be dry, clean and free of foreign matter.

Surface may be slippery when wet.

Will fade, chalk and discolor over time.

Containers that have been opened must be used as soon as possible.
Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**

This product contains Isocyanates and Solvent.
DESCRIPTION
Polyglaze AR-SF is an aromatic, single component, high solids, environmentally safe, liquid applied, moisture cured, urethane surface protection coating. Polyglaze AR-SF is designed for use in Southern California to be in compliance with air quality standards.

FEATURES
- Low Odor
- Solvent Free
- Good Weatherability
- Environmentally Safe
- Seamless Waterproofing Membrane

TYPICAL USES
- Concrete
- Plywood
- Pedestrian Traffic
- Vehicular Traffic
- Resealing Existing Urethane Surfaces
- Most Metal, Rubber, Wood, or Masonry Surfaces

COLORS
Stone Grey, Tan

Custom colors are also available. Minimum order of 300 gallons (1136 liters). See color chart for special provisions.

PACKAGING
1 gallon (3.79 liter) can with vial of catalyst
5 gallon (18.9 liter) pails with ½ pint (0.24 liter) can of catalyst
55 gallon drums, net fill 50 gallons (189 liters) with 1 quart (0.95 liter) can of catalyst

MIXING
Before application, mix Polyglaze AR-SF using a mechanical mixer at slow speed. Add Polyglaze AR-SF Catalyst and continue mixing until a homogenous mixture and color is obtained. Boxing of material is recommended. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
For best results, use a squeegee or notched trowel. Care should be taken not to cause air bubbles.

Apply Polyglaze AR-SF evenly over the entire surface. Application should be continuous to ensure a smooth and level coat with no lines or streaks to disfigure the deck.

Polyglaze AR-SF may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that recoating be done within 48 hours.

When Polyglaze AR-SF is used as a seal coat only, the surface must be clean, dry and primed with Polyprime 21 to achieve proper adhesion to the surface.

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide Specifications</td>
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<tr>
<td>Dry Film Thickness, exclusive of aggregate, Per coat @ 1 gal/100 sq. ft.</td>
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<td>Hardness, ASTM D-2240</td>
<td>80 ± 6 Shore A</td>
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<tr>
<td>Tear Resistance, Dec C, ASTM D-624</td>
<td>350 ± 50 pli</td>
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<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>613 ± 88 kN/m</td>
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<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>500 ± 50%</td>
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<td>Specific Gravity</td>
<td>1.2</td>
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<td>Total Solids by Weight, ASTM D-2369</td>
<td>99.8%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>99.8%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>3500 ± 1500 cp</td>
</tr>
<tr>
<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>0.0116 lb/gal</td>
</tr>
</tbody>
</table>

CURING
At 70°F (21°C) and 50% relative humidity, allow each coat to cure of 16 hours. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 210U before proceeding.

At 70°F (21°C) and 50% relative humidity, allow 24-48 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Uncured Polyglaze AR-SF is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

To accelerate cure Polyglaze Hardener may be used.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyglaze AR-SF has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers.

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

For ease of application, solvent free (SF) materials should be applied in temperatures greater than 60°F (15.5°C).

Surface may be slippery when wet.

Will fade, chalk and discolor over time.
Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

**WARNING**

This product contains Isocyanates.
DESCRIPTION
Polyglaze AR-OF is an aromatic, single component, odor friendly, high solids, liquid applied, moisture cured, polyurethane surface protection coating. This product meets VOC requirements for SCAQMD areas.

FEATURES
- Odor Friendly
- Good Weatherability
- Seamless Waterproofing Membrane
- Re-Sealing Existing Polyurethane Surfaces

TYPICAL USES
- Concrete
- Plywood
- Pedestrian Traffic
- Vehicular Traffic
- Resealing Existing Polyurethane Surfaces
- Most Metal, Rubber, Wood, or Masonry Surfaces

COLORS
Stone Grey and Tan

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
1 gallon (3.78 liter) can with vial of catalyst
5 gallon (18.9 liter) pails with 2 pint (0.24 liter) can of catalyst
55 gallon drums, net fill 50 gallons (189 liters) with 1 quart (0.95 liter) can of catalyst

MIXING
Before application, mix Polyglaze AR-OF using a mechanical mixer at slow speed. Add Polyglaze AR-OF Catalyst and continue mixing until a homogenous mixture and color is obtained. Boxing of material is recommended. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
For best results, use a squeegee. Airless sprayer or phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Apply Polyglaze AR-OF evenly over the entire surface. Application should be continuous to ensure a smooth and level coat with no lines or streaks to disfigure the deck.

Polyglaze AR-OF may require more than one coat depending on the job specifications and requirements. When estimating material requirements, coverage rates tend to increase for subsequent coats of material. To obtain proper adhesion between coats it is imperative that recoating be done within 48 hours.

When Polyglaze AR-OF is used as a seal coat only, the surface must be clean, dry and primed with Polyprime 21 to achieve proper adhesion to the surface.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure of 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 2180 before proceeding.

At 75°F (24°C) and 50% relative humidity, allow 24-48 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Uncured Polyglaze AR-OF is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time. If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Polyglaze AR-OF and mix thoroughly. This accelerated Polyglaze AR-OF will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyglaze AR-OF has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide Specifications</td>
</tr>
<tr>
<td>Dry Film Thickness, exclusive of aggregate, Per coat at 1gal/100 sq.ft</td>
<td>14 ± 2 mils</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>356 ± 50 microns</td>
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<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>85 ± 5 Shore A</td>
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<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>300 ± 50 psi</td>
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<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>52.6 ± 8.8 kN/m</td>
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<td>Ultimate Elongation, ASTM D-412</td>
<td>2500 ± 300 psi</td>
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<td>Specific Gravity</td>
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<td>Total Solids by Weight, ASTM D-2369</td>
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<td>Total Solids by Volume, ASTM D-2697</td>
<td>90.0%</td>
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<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>4000 ± 2000cps</td>
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<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>0.74 lb/gal</td>
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<tr>
<td></td>
<td>89 gm/liter</td>
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</table>
LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.
Surface may be slippery when wet.
Will fade, chalk and discolor over time.
Containers that have been opened must be used as soon as possible.
Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinking, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, acts of nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risks and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the owner, general contractor, or applicator for any injury or damage, direct or incidental, resulting from the use or inability to use the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.
DESCRIPTION
Polyglaze Hardener is a single component, low viscosity, accelerating agent. This accelerator enhances the moisture curing characteristics of all grades of Polyglaze coatings, the Poly-I-Gard® 246 and 246SF coatings.

FEATURES
❖ Fast Cure Time
❖ Saves in Labor Cost - Apply Two Coats in One Day

COLOR
Clear (Pale Yellow)

PACKAGING
1 quart (0.95 liter) can

MIXING
Polyglaze Hardener may be mixed into all grades of Polyglaze and Poly-I-Gard® surface protection coatings by using a mechanical mixer. Mix Polyglaze Hardener into the topcoat until a homogeneous mixture and color is obtained.

Volume Mixing Ratio:
.5 pint Polyglaze Hardener to 1 gallon Polyglaze Topcoat (0.24 liters Polyglaze Hardener to 3.79 liters Polyglaze Topcoat)

-or-

1 Quart Polyglaze Hardener to 5 gallons Polyglaze/Poly-I-Gard® (0.95 liters Polyglaze Hardener to 18.9 liters Polyglaze/Poly-I-Gard® 246)

The pot life of the resulting compound is approximately 1-3 hours at 75°F (24°C) and 50% relative humidity.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polyglaze Hardener has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers.

LIMITATIONS
Not recommended for indoor applications.

Should be used in well-ventilated areas due to its strong odor.

Containers that have been opened must be used within 1-3 hours.

POLYGLAZE HARDENER
Topcoat Accelerator
Technical Data Sheet

TECHNICAL DATA
Pot Life (during application) ..............................1-3 hours
Volume Mixing Ratio,
Polyglaze Hardener : Polyglaze/Poly-I-Gard .... 1:20
Specific Gravity .................................................0.87
Viscosity at 75°F (24°C) .................................100 ± 50 cps

Polyglaze Hardener may react with atmospheric moisture and render it unusable.

Do not dilute under any circumstance.

Not for use with Poly-I-Gard® 265.

WARNING
This product contains Curatives.

This product is considered Dangerous Goods. DOT regulations classify it as: CORROSIVE LIQUID N.O.S., (Contains Amine), Class 8, UN 1760, PG III.
LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products' established physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products' guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water infiltration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty, whether express or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, salt, rust and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, or applicator.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a war ranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all cost and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the user or anyone claiming through the user for any damage, direct, indirect, special, incidental, or consequential, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of estab lishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.
DESCRIPTION
Poly-I-Gard® 246 is a single component, liquid applied, moisture cured, aromatic polyurethane waterproofing membrane. Poly-I-Gard® 246SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES
- Economical
- Good Weatherability
- Proven Protection
- For use in SCAQMD areas, use only Poly-I-Gard® 246SC

TYPICAL USES
- Airports
- Helicopter Pads
- Heavy Auto Traffic
- Concrete Decks
- Heavy Pedestrian Traffic

COLOR
Stone Grey and Tan

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
- 5 gallon (18.9 liter) pail
- 55 gallon drum, net fill 50 gallons (189 liters)

MIXING
Before application, mix Poly-I-Gard® 246 using a mechanical mixer at slow speed, until a homogeneous mixture and color is obtained. Use caution not to entrap air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
For best results, use a squeegee. Airless sprayer or phenolic core roller may be used but extra care should be taken not to cause air bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

Allow coating to cure 16 hours before proceeding to subsequent coats. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or 2180 before proceeding.

At 75°F (24°C) and 50% relative humidity, allow 24-48 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Poly-I-Gard® 246 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Poly-I-Gard® 246 and mix thoroughly. This accelerated Poly-I-Gard® 246 will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity.
EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Poly-I-Gard® 246 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.
Surface may be slippery when wet.
Will chalk, fade and discolor over time.
Containers that have been opened must be used as soon as possible.
Do not dilute under any circumstance.
The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanate and Solvent.
DESCRIPTION
Poly-I-Gard® 246SF is a single component, low odor, solvent free, high solids, environmentally safe, liquid applied, moisture cured, aromatic polyurethane waterproof membrane.

FEATURES
❖ Solvent Free
❖ Low Odor
❖ Good Weatherability

TYPICAL USES
❖ Heavy Pedestrian Traffic
❖ Heavy Auto Traffic
❖ Helicopter Pads
❖ Concrete Decks
❖ Parking Structures

COLOR
Stone Grey and Tan

Not a stock item. Minimum order of 250 gallons (945 liters) is required.

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
5 gallon (18.9 liter) pail
55 gallon (208 liter) drums

MIXING
Before application, mix Poly-I-Gard® 246SF using a mechanical mixer at slow speed, until a homogeneous mixture and color is obtained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
For best results, use a squeegee or notched trowel. A phenolic resin core roller may be used but extra care should be taken not to cause air bubbles.

Requires a continuous coating application to minimize lines and/or streaking.

Allow coating to cure 16 hours before proceeding to subsequent coats. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 16 hours. Cure time will vary depending on temperature and humidity. If more than 48 hours passes between coats, re-prime the surface with Polyprime 21 or U22 before proceeding.

Allow 24-48 hours before permitting light pedestrian traffic and at least 72-96 hours before permitting heavy pedestrian or vehicular traffic on the finished surface.

Poly-I-Gard® 246SF is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

If accelerated curing is required, add one quart of Polyglaze Hardener in a 5 gallon pail of Poly-I-Gard® 246SF and mix thoroughly. This accelerated Poly-I-Gard® 246SF will cure in 6-8 hours at 75°F (24°C) and 50% relative humidity

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Poly-I-Gard® 246SF has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.
Surface may be slippery when wet.
Will chalk, fade and discolor over time.
Containers that have been opened must be used as soon as possible.
Do not dilute under any circumstance.

For ease of application, solvent free materials should be applied in temperature greater than 60°F (15.5°C).

POLY-I-GARD® 246SF
Solvent Free, Aromatic Polyurethane Waterproofing Membrane
Technical Data Sheet

TECHNICAL DATA (Based on draw down film)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
<tr>
<td>Dry Film Thickness, exclusive of aggregate, per coat at 1 gal/100 sq. ft.</td>
<td>16 ± 2 mils</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>80 ± 5 Shore A</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>350 ± 50 pli</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>2200 ± 300 psi</td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>670 ± 50%</td>
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<tr>
<td>Specific Gravity</td>
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</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>99.8%</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>99.8%</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C)</td>
<td>3500 ± 1500 cps</td>
</tr>
<tr>
<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>0.01 lb/gal</td>
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<tr>
<td>Meets UL 790, Meets ASTM C-957</td>
<td>2 gm/liter</td>
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</table>

Meets UL 790, Meets ASTM C-957
The following conditions must not be coated with Polycote Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**
This product contains Isocyanates.
POLY-I-GARD® 295
Hybrid Aliphatic Polyurea
Waterproofing Membrane
Technical Data Sheet

DESCRIPTION
Poly-I-Gard® 295 is a two component, fast setting, rapid curing and solvent free, 100% solids hybrid aliphatic polyurea elastomeric membrane. Poly-I-Gard® 295 can be applied to properly prepared interior or exterior concrete, plywood and metal surfaces. It is suitable for single or multiple applications, in temperatures as low as 20°F and is insensitive to moisture.

FEATURES
❖ Non-Gassing
❖ Seamless
❖ Solvent Free
❖ Recoatable
❖ Meets USDA Criteria
❖ Can be applied at any thickness
❖ Vents green (vented) concrete
❖ Environmentally Safe
❖ Solvent Free
❖ Environmentally Safe
❖ Recombinable
❖ Good chemical resistance
❖ Meets USDA Criteria

TYPICAL USES
❖ Vehicular Decks
❖ Pedestrian Decks
❖ Mechanical Room Floors
❖ Kennels

COLOR
Dolphin Grey and Tan

Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
4.4 gallon kit: One 5 gallon (net 4 gallons) pail of Side-A and one 2 gallon (net 0.4 gallon) jar of Side-B.

MIXING
Before application, pre-mix Side-A of Poly-I-Gard® 295 using a mechanical mixer at slow speed. Add Side-B of Poly-I-Gard® 295 and continue mixing until a homogeneous mixture and color is obtained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
Apply Poly-I-Gard® 295 evenly, over the entire deck using a 10:1 ratio machine or mixed material, then squeegee or notched trowel over the entire deck.

Requires a continuous coating application to minimize lines and/or streaking.

To obtain proper adhesion between coats, it is imperative that re-coating be done within 8-12 hours.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure a minimum of 2-4 hours. Cure time will vary depending on temperature and humidity. If more than 24 hours passes between coats, re-prime the surface with Polyprime 21 or Polyprime 12 before proceeding.

At 75°F (24°C) and 50% relative humidity, allow a minimum 48 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on the finished surface. Cure time will vary depending on temperature and humidity.

Poly-I-Gard® 295 is sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes.

Do not use Polyglaze Hardener with Poly-I-Gard® 295.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Poly-I-Gard® 295 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Surface may be slippery when wet.

Will chalk, fade and discolor over time.

Containers that have been opened must be used as soon as possible.

TECHNICAL DATA (Based on draw down film)
Mix Ratio by Volume ..........................................10A : 1B
Coverage Rate ...................................................See Guide Specifications
Dry Film Thickness, exclusive of aggregate,
Per coat at 1gal/100 sq.ft. ...................................... 16 ± 2 mils
Pot Life at 75°F (24°C), 50% R.H. ................. 30 ± 10 minutes
Cure Time at 75°F (24°C), 50% R.H. .............. 2-4 hours
Total Solids by Weight, ASTM D-2369 .............. 100%
Total Solids by Volume, ASTM D-2697 .............. 100%
Hardness, ASTM D-2240 ............................... 85 ± 5 Shore A
Tensile Strength, ASTM D-412 ...................... 22.1 ± 1.4 MPa
Ultimate Elongation, ASTM D-412 .................... 450 ± 50%
Adhesive Peel Strength on Primed Concrete;
ASTM D-903 ................................................. 40 ± 10 pli
7.0 ± 1.7 kNm
Moisture Vapor Transmission, ASTM E-96 ...... 1.54 perms
Water Absorption, ASTM D-471 ...................... 1.3% by weight
Tear Resistance, ASTM D-624 ...................... 300 ± 20 pli
52.6 ± 3.5 kNm
Volatile Organic Compounds, .......................... < 0.12 lb/gal
< 15 gm/liter
ASTM D-2369-81 .............................................
U.V. Stability, Q Panel Weather-O-Meter ............ 2000 hours
(No cracking or crazing; no physical damage)

14722 Spring Avenue • Santa Fe Springs, CA 90670-5108 USA • Tel: 562/802-8834 • Fax: 562/921-7363 • www.polycoatusa.com • Copyright© March 2011 Polycoat Products
Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**
This product contains Isocyanates.

Poly-I-Gard® 295 Side-B is considered Dangerous Goods. DOT regulations classify it as: **UN 1760, Corrosive Liquid, N.O.S. (Contains Amine), Class 8, PG III.**
DESCRIPTION
Poly-I-Gard® 295OF is a two component, odor friendly, fast setting, rapid curing very high solids hybrid aliphatic polyurea elastomeric membrane. Poly-I-Gard® 295OF can be applied to properly prepared interior or exterior concrete, plywood and metal surfaces. It is suitable for single or multiple applications, in temperatures as low as 20°F and is insensitive to moisture.

FEATURES
❖ Odor Friendly  ❖ Environmentally Safe
❖ Non-Gassing  ❖ Good Chemical Resistance
❖ Seamless  ❖ Meets USDA Criteria

TYPICAL USES
❖ Vehicular Decks  ❖ Pedestrian Decks
❖ Mechanical Room Floors  ❖ Kennels

COLOR
Dolphin Grey and Tan
Custom colors are also available. Minimum order of 250 gallons (945 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
4.4 gallon kit: One 5 gallon (net 4 gallons) pail of Side-A and one ½ gallon (net 0.4 gallon) jar of Side-B.

MIXING
Before application, pre-mix Side-A of Poly-I-Gard® 295OF using a mechanical mixer at slow speed. Add Side-B of Poly-I-Gard® 295OF and continue mixing until a homogeneous mixture and color is obtained. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

APPLICATION
Apply Poly-I-Gard® 295OF evenly, over the entire deck using a 10:1 ratio machine or mixed material, then squeegee or notched trowel over the entire deck.

Requires a continuous coating application to minimize lines and/or streaking.

To obtain proper adhesion between coats, it is imperative that re-coating be done within 8-12 hours.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure a minimum of 2-4 hours. Cure time will vary depending on temperature and humidity. If more than 24 hours passes between coats, re-prime the surface with Polyprime 21 or Polyprime 12 before proceeding.

At 75°F (24°C) and 50% relative humidity, allow a minimum 48 hours before permitting light pedestrian traffic and at least 72 hours before permitting heavy pedestrian or vehicular traffic on the finished surface. Cure time will vary depending on temperature and humidity.

Poly-I-Gard® 295OF is sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes.

Do not use Polyglaze Hardener with Poly-I-Gard® 295OF.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Poly-I-Gard® 295OF has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Surface may be slippery when wet.

Will chalk, fade and discolor over time.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or...
below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

**WARNING**

This product contains Isocyanates.

Poly-I-Gard® 295OF Side-B is considered Dangerous Goods. DOT regulations classify it as: UN 1760, Corrosive Liquid, N.O.S. (Contains Amine), Class 8, PG III.
POLYCOAT
PRODUCTS
A Division of American Polymers Corp.

DESCRIPTION
Polycoat-Staingard 1110 is a two component, aliphatic polyester polyurethane for use in moderate to severe chemical environments in indoor or outdoor applications. This product does not meet VOC requirements for SCAQMD areas.

FEATURES
- Color and Gloss Retention
- Impact Resistant
- Chemical Resistance
- Easy Cleanability

TYPICAL USES
- Concrete
- Manufacturing Plants
- Pedestrian Traffic
- Warehouse Floors
- Power Generating Plants
- Storage Tanks
- Food Processing Facilities
- Petrochemical Plants
- Steel Structures & Bridges
- Aircraft Hangars
- Milling and Mining Industry
- Pulp and Paper Industry

COLOR
Clear, Tan and Grey

Custom colors are available. Minimum order of 150 gallons (568 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
5 gallon kit (18.9 liter):
Clear Kits: One 5 gallon pail, net fill 2.2 gallons (8.3 liters) of Part-A and One 5 gallon pail, net fill 2.8 gallons (10.6 liters) of Part-B.
Pigmented Kits: One 5 gallon pail, net fill 2 gallons (7.57 liters) of Part-A and One 5 gallon pail, net fill 3 gallons (11.36 liters) of Part-B.

1 gallon kit (3.78 liter):
Clear Kits: One 1 gallon can, net fill 0.44 gallons (1.67 liters) containing Part-A and One 1 gallon can, net fill 0.56 gallons (2.12 liters) containing Part-B.
Pigmented Kits: One 1 gallon, net fill 0.40 gallons (1.51 liters) containing Part-A and One 1 gallon can, net fill 0.60 gallons (2.27 liters) containing Part-B.

MIXING
Polycoat-Staingard 1110 may not be diluted under any circumstance. Polycoat-Staingard 1110 Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains.

SURFACE PREPARATION
See General Guidelines for additional surface preparation information.

POLYCOAT-STAINGARD 1110
Aliphatic Polyester Polyurethane Topcoat Technical Data Sheet

TECHNICAL DATA (Based on draw down film)
- Coverage Rate: 0.5 gal/100 sq. ft. (0.20 l/m²)
- Dry Film Thickness, Per coat at ½ gal/100 sq. ft.: 5 ± 2 mils (127 ± 50 microns)
- Pot Life at 75°F (24°C), 50% R.H.: 60-75 minutes
- Flash Point: 91°F (32.7°C)
- Total Solids by Volume, ASTM D-2697: 63%
- Volatile Organic Compounds, ASTM D-2369-81: 2.8 lbs/gal (337 gm/liter)

CHEMICAL RESISTANCE (ASTM D-814)

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
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<tbody>
<tr>
<td>Distilled Water</td>
<td>Unleaded</td>
<td>Hexanol</td>
<td>IPA, 99%</td>
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<tr>
<td>Skydrol</td>
<td>Gasoline</td>
<td>Acetone</td>
<td>Butanol</td>
</tr>
<tr>
<td>Skydrol Jet Fuel</td>
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<td>MIBK</td>
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<tr>
<td>Motor Oil</td>
<td>Butyl Acetate</td>
<td>Toluene</td>
<td>Xylene</td>
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<td>Xylene</td>
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</tr>
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</table>

All surfaces must be free of oil, grease, dirt and other contaminants.

Existing Coatings: A test area should be completed before topcoating.

Surface temperature should be between 60-100°F (15.5-37.7°C). Do not apply product unless temperature is at least 5°F (3°C) above the dew point. Re-coat schedule is 8-48 hours depending on the environment.

APPLICATION
Check area of application to ensure that it conforms to the substrate requirements as stated in the general guideline section. Prime interior and exterior floors and slabs.

Apply Polycoat-Staingard 1110 to the substrate at a rate of 0.5 gallon/100 sq. ft. (1.9 liters/m²). Additional coats may be necessary to achieve desired results.

Polycoat-Staingard 1110 is a high-performance coating and may become slippery when wet.

Airless Sprayer: Use Graco 28:1 pump or higher, Binks “Airless” spray gun with Reversa-Clean 0.017-0.019 spray tips and ¾” solvent resistant fluid line. Adjust pump pressure to the lowest possible setting that provides proper atomization. Equipment of equal performance is acceptable.
Conventional Spray: Variations of conventional production spray equipment such as pressure pot, air assisted airless or high volume, low pressure systems as supplied by Binks, Graco, Nordson, Devilbiss or equal may be used.

Brush: Use solvent resistant mohair or natural bristle brush with feather edge.

Roller: Use solvent resistant phenolic core, short nap sheepskin or equal natural roller covers.

**CURING**
At 75°F (24°C) and 50% relative humidity, allow Polycoat-Staingard 1110 cure a minimum of 4 hours. Cure time will vary depending on temperature and humidity. Recoats should occur within 8-12 hours when surface becomes tack free.

**EQUIPMENT CLEANUP**
Equipment should be cleaned environmentally safe solvent, as permitted under local regulations, immediately after use.

**STORAGE**
Polycoat-Staingard 1110 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

**LIMITATIONS**
Polycoat-Staingard 1110 should not be applied in areas where the surface will come into continual contact with water.

The uncured materials used in Polycoat-Staingard 1110 are very sensitive to heat and moisture. Higher temperature and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extends the cure time and the use of accelerators may be necessary.

Requires a continuous coating application to minimize lines and/or streaking.

Material remaining after application must be tightly sealed to protect it against curing in its container.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

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**WARNING**
This product contains Isocyanates and Solvent. Polycoat-Staingard 1110 Part-A is considered Dangerous Goods. DOT regulations classify it as: UN 1263, PAINT, Class 3, PG III, FLAMMABLE LIQUID.
DESCRIPTION
Polycoat-Staingard 1110C is a two component, aliphatic polyester polyurethane for use in moderate to severe chemical environments in indoor or outdoor applications. Polycoat-Staingard 1110C is designed for use in California, excluding SCAQMD Areas, to be in compliance with air quality standards.

FEATURES
- Color and Gloss Retention
- Impact Resistant
- Chemical Resistance
- Meets California VOC and AQMD Requirements, Excluding SCAQMD Areas

TYPICAL USES
- Concrete
- Manufacturing Plants
- Pedestrian Traffic
- Warehouse Floors
- Power Generating Plants
- Storage Tanks
- Food Processing Facilities
- Petrochemical Plants
- Steel Structures & Bridges
- Aircraft Hangars
- Milling and Mining Industry
- Pulp and Paper Industry

COLOR
Clear, Tan and Grey

Custom colors are available. Minimum order of 150 gallons (568 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
5 gallon kit (18.9 liter):
- Clear Kits: One 5 gallon pail, net fill 2.10 gallons (7.95 liters) of Part-A and One 5 gallon pail, net fill 2.65 gallons (10.03 liters) of Part-B.
- Pigmented Kits: One 5 gallon pail, net fill 1.85 gallons (7.0 liters) of Part-A and One 5 gallon pail, net fill 3.15 gallons (11.9 liters) of Part-B.

1 gallon kit (3.78 liter):
- Clear Kits: One 1 gallon can, net fill 0.42 gallons (1.59 liters) can containing Part-A and One 1 gallon can, net fill 0.53 gallons (2.01 liters) containing Part-B.
- Pigmented Kits: One 1 gallon, net fill 0.37 gallons (1.40 liters) can containing Part-A and One 1 gallon can, net fill 0.63 gallons (2.38 liters) containing Part-B.

MIXING
Polycoat-Staingard 1110C may not be diluted under any circumstance. Polycoat-Staingard 1110C Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains.

TECHNICAL DATA (Based on draw down film)
- Coverage Rate .................................................. 0.5 gal/100 sq. ft. (0.20 l/m²)
- Dry Film Thickness,
  Per coat at ½ gal/100 sq. ft. ................................ 5 ± 2 mils
  Per coat at 1 gal/100 sq. ft. .............................. 127 ± 50 microns
- Pot Life at 75°F (24°C), 50% R.H ...................... 60-75 minutes
- Flash Point ...................................................... 91°F (32.7°C)
- Total Solids by Volume, ASTM D-2697 ........ 69%
- Volatile Organic Compounds,
  ASTM D-2369-81 ............................................ 2.08 lbs/gal
  250 gm/liter

CHEMICAL RESISTANCE (ASTM D-814)

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<tr>
<th>Chemical</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
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<td>Distilled Water</td>
<td>Unleaded Hexanol</td>
<td>IPA, 99%</td>
<td>Butanol</td>
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<td>Skydrol</td>
<td>Gasoline</td>
<td>Acetone</td>
<td>MIBK</td>
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<td>Skydrol Jet Fuel</td>
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<td>Hydraulic oil</td>
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<tr>
<td>Motor Oil</td>
<td>Butyl Acetate</td>
<td>Toluene</td>
<td>Xylene</td>
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</tbody>
</table>

SURFACE PREPARATION
See General Guidelines for additional surface preparation information.

All surfaces must be free of oil, grease, dirt and other contaminants.

Existing Coatings: A test area should be completed before topcoating.

Surface temperature should be between 60-100°F (15.5-37.7°C). Do not apply product unless temperature is at least 5°F (3°C) above the dew point. Re-coat schedule is 8-48 hours depending on the environment.

APPLICATION
Check area of application to ensure that it conforms to the substrate requirements as stated in the general guideline section. Prime interior and exterior floors and slabs.

Apply Polycoat-Staingard 1110C to the substrate at a rate of 0.5 gallon/100 sq. ft. (1.9 liters/m²). Additional coats may be necessary to achieve desired results.

Polycoat-Staingard 1110C is a high-performance coating and may become slippery when wet.

Airless Sprayer: Use Graco 28:1 pump or higher, Binks “Airless” spray gun with Reversa-Clean 0.017-0.019 spray tips and ½” solvent resistant fluid line. Adjust pump pressure to
the lowest possible setting that provides proper atomization. Equipment of equal performance is acceptable.

Conventional Spray: Variations of conventional production spray equipment such as pressure pot, air assisted airless or high volume, low pressure systems as supplied by Binks, Graco, Nordson, Devilbiss or equal may be used.

Brush: Use solvent resistant mohair or natural bristle brush with feather edge.

Roller: Use solvent resistant phenolic core, short nap sheepskin or equal natural roller covers.

Curing
At 75°F (24°C) and 50% relative humidity, allow Polycoat-Staingard 1110 to cure a minimum of 4 hours. Cure time will vary depending on temperature and humidity. Recoats should occur within 8-12 hours of when surface becomes tack free.

Equipment Cleanup
Equipment should be cleaned environmentally safe solvent, as permitted under local regulations, immediately after use.

Storage
Polycoat-Staingard 1110C has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

Limitations
Polycoat-Staingard 1110C should not be applied in areas where the surface will come into continual contact with water.

The uncured materials used in Polycoat-Staingard 1110C are very sensitive to heat and moisture. Higher temperature and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application. Low temperature and/or low humidity extends the cure time and the use of accelerators may be necessary.

Requires a continuous coating application to minimize lines and/or streaking.

Material remaining after application must be tightly sealed to protect it against curing in its container.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite, lightweight concrete, asphalt surfaces and asphalt overlays.

Warning
This product contains isocyanates and solvent.
DESCRIPTION
Polycoat-Staingard 6000 is a 100% solids by volume, aliphatic polyaspartic coating, two-component, liquid applied, environmentally friendly surface topcoat for waterproofing membrane systems. Polycoat-Staingard 6000 is quick curing and specifically formulated to be installed in thin film applications.

FEATURES
- Quick Cure
- Color Stable
- High Tensile Strength
- Very Durable
- Abrasion Resistant
- Excellent Weatherability
- Topcoat over aromatic polyurea, polyurethane and epoxy applications ranging from 35°F to 130°F, service temperature 0°F to 200°F
- Seamless Waterproofing Membrane
- UV Resistant For Superior Gloss Retention
- Meets California VOC and AQMD Requirements, Including SCAQMD Areas

TYPICAL USES
- Concrete
- Plywood
- Cold Storage Areas
- Food Processing Areas
- Industrial Warehouses
- Pulp and Paper Mills
- Chemical Plants
- Fertilizer Plants
- Off-Shore Oil Platforms
- Pipeline Barges

COLOR
Clear, Tan and Dolphin Grey.
Custom colors are also available. Minimum order of 100 gallons (378 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
2 gallon kit (7.57 liter): 1 gallon (3.78 liters) can part-A and 1 gallon (3.78 liters) can Part-B.
10 gallon kit is not an in stock item and is available with advanced notice. Contact Polycoat Products for availability.

MIXING
Polycoat-Staingard 6000 may not be diluted under any circumstance. Proportions are premeasured. Polycoat-Staingard 6000 Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

Do not mix any material that cannot be used within 20-30 minutes.

TECHNICAL DATA (Based on draw down film)

POLYCOAT-STAINGARD 6000, CLEAR

<table>
<thead>
<tr>
<th>Mix Ratio by Volume</th>
<th>1A : 1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
<tr>
<td>Dry Film Thickness, exclusive of aggregate,</td>
<td>16 ± 2 mils</td>
</tr>
<tr>
<td>Per coat at ½ gal/100 sq. ft.</td>
<td>16 ± 2 mils</td>
</tr>
<tr>
<td>Pot Life at 75°F (24°C), 50% R.H.</td>
<td>406 ± 50 microns</td>
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<tr>
<td>Hardness, ASTM D-2240</td>
<td>65 ± 2 Shore D</td>
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<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>400 ± 50 psi</td>
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<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>70.1 ± 8.8 kN/m</td>
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<td>Ultimate Elongation, ASTM D-412</td>
<td>70 ± 10%</td>
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<td>Specific Gravity, Side-A</td>
<td>1.10</td>
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<td>Side-B</td>
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<td>Total Solids by Weight, ASTM D-2369</td>
<td>100%</td>
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<td>Total Solids by Volume, ASTM D-2697</td>
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<td>Viscosity at 75°F (24°C), Side-A</td>
<td>2600 ± 300 cPs</td>
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<tr>
<td>Side-B</td>
<td>1100 ± 300 cPs</td>
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<td>Volatile Organic Compounds, ASTM D-2369-81</td>
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POLYCOAT-STAINGARD 6000, PIGMENTED

<table>
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<tr>
<th>Mix Ratio by Volume</th>
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<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
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<tr>
<td>Dry Film Thickness, exclusive of aggregate,</td>
<td>16 ± 2 mils</td>
</tr>
<tr>
<td>Per coat at ½ gal/100 sq. ft.</td>
<td>16 ± 2 mils</td>
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<tr>
<td>Pot Life at 75°F (24°C), 50% R.H.</td>
<td>406 ± 50 microns</td>
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<tr>
<td>Hardness, ASTM D-2240</td>
<td>65 ± 2 Shore D</td>
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<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
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<td>Tensile Strength, ASTM D-412</td>
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<td>Side-B</td>
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<td>Total Solids by Weight, ASTM D-2369</td>
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<td>Total Solids by Volume, ASTM D-2697</td>
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<td>Viscosity at 75°F (24°C), Side-A</td>
<td>2600 ± 300 cPs</td>
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<tr>
<td>Side-B</td>
<td>2000 ± 300 cPs</td>
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<td>Volatile Organic Compounds, ASTM D-2369-81</td>
<td>0 gm/liter</td>
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APPLICATION
Polycoat-Staingard 6000 can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under low pressure. Polycoat-Staingard 6000 should be applied at a minimum film thickness of 5 mils. It should be noted that the heavier the application, the longer the curing process takes.
Apply Polycoat-Staingard 6000 evenly over the entire deck. For best results, use an airless sprayer. A phenolic resin core roller may be used, but extra care should be taken not to cause air bubbles.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 3-4 hours. Cure time will vary depending on temperature and humidity.

Allow 6 hours before permitting light pedestrian traffic and at least 24-48 hours before permitting heavy pedestrian traffic on to the finished surface.

Uncured Polycoat-Staingard 6000 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polycoat-Staingard 6000 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.

Surface may be slippery when wet.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesium, lightweight concrete, asphalt surfaces and asphalt overlays.

WARNING
This product contains Isocyanates.

LIMITED WARRANTY
Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller’s and manufacturer’s sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied, including any warranty of merchantability or fitness for a particular purpose and no other representations are made.

DISCLAIMER
All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the user responsibility to satisfy himself, by its own information and test, to determine suitability of the product for its own intended use, application and job situation and user assumes all risk and liability resulting from the use of this product. We do not suggest or guarantee any particular application or results which may be obtained therefrom. No claims are made with respect to the use of this product whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.
POLYCOAT-STAINGARD 6072 / 6072SC
Aliphatic Polyaspartic
Polyurea Topcoat
Technical Data Sheet

DESCRIPTION
Polycoat-Staingard 6072 is an aliphatic polyaspartic, environmentally friendly surface topcoat for waterproofing membrane systems. Polycoat-Staingard 6072 is quick curing and specifically formulated to be installed in thin film applications. Polycoat-Staingard 6072SC is designed for use in Southern California to be in compliance with SCAQMD air quality standards.

FEATURES
- Quick Cure
- Color Stable
- High Tensile Strength
- High Gloss
- Abrasion Resistant
- Very Durable
- Topcoat over aromatic polyurea, polyurethane and epoxies
- Applications ranging from 35°F to 130°F, service temperature 0°F to 200°F
- Excellent Weatherability
- Seamless Waterproofing Membrane
- UV Resistant For Superior Gloss Retention
- For use in SCAQMD areas, use only Polycoat-Staingard 6072SC

TYPICAL USES
- Concrete
- Plywood
- Cold Storage Areas
- Food Processing Areas
- Industrial Warehouses
- Pulp and Paper Mills
- Chemical Plants
- Fertilizer Plants
- Off-Shore Oil Platforms
- Pipeline Barges

COLOR
Clear, Tan and Dolphin Grey.

Custom colors are also available. Minimum order of 100 gallons (378 liters). See color chart for special provisions. Contact Polycoat Products for more information.

PACKAGING
2 gallon kit (7.57 liter): One 5 gallon (18.9 liter) pail of Part-A and One 1 gallon (3.78 liters) can Part-B.

10 gallon kit: One 5 gallon (18.9 liter) pail of Part-A and One 5 gallon (18.9 liter) can Part-B.

10 gallon kit is not a stock item and is available with minimum order of 100 gallons (378 liters).

MIXING
Polycoat-Staingard 6072 may not be diluted under any circumstance. Polycoat-Staingard 6072 Part-A and Part-B should be mixed individually before combining. Add Part-B to Part-A while mixing, using a mechanical mixer at medium speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes) and mix frequently during application to maintain uniform color. Use care to scrape the sides of the container to ensure that no unmixed material remains. Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

Do not mix any material that cannot be used within 45 minutes.

TECHNICAL DATA (Based on draw down film)
POLYCOAT-STAINGARD 6072, CLEAR (250 VOC)
(For Use In California Excluding SCAQMD Areas)

<table>
<thead>
<tr>
<th>Mix Ratio by Volume</th>
<th>1A : 1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
<tr>
<td>Dry Film Thickness, exclusive of aggregate</td>
<td>11 ± 2 mils</td>
</tr>
<tr>
<td>Per coat at 1gal/100 sq.ft.</td>
<td>279 ± 50 microns</td>
</tr>
<tr>
<td>Pot Life at 75°F (24°C), 50% R.H.</td>
<td>45-60 minutes</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>50 ± 5 Shore D</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>300 ± 50 pli</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>52.6 ± 8.8 kN/m</td>
</tr>
<tr>
<td>2500 ± 300 psi</td>
<td></td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>75 ± 25 %</td>
</tr>
<tr>
<td>Specific Gravity, Side-A</td>
<td>1.05</td>
</tr>
<tr>
<td>Side-B</td>
<td>1.01</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>77 ± 2 %</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>72 ± 2 %</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C), Side-A</td>
<td>1.97 lb/gal</td>
</tr>
<tr>
<td>Side-B</td>
<td>236 gm/liter</td>
</tr>
</tbody>
</table>

POLYCOAT-STAINGARD 6072, PIGMENTED (250 VOC)
(For Use In California Excluding SCAQMD Areas)

<table>
<thead>
<tr>
<th>Mix Ratio by Volume</th>
<th>1A : 1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage Rate</td>
<td>See Guide</td>
</tr>
<tr>
<td>Dry Film Thickness, exclusive of aggregate</td>
<td>11 ± 2 mils</td>
</tr>
<tr>
<td>Per coat at 1gal/100 sq.ft.</td>
<td>279 ± 50 microns</td>
</tr>
<tr>
<td>Pot Life at 75°F (24°C), 50% RH</td>
<td>45-60 minutes</td>
</tr>
<tr>
<td>Hardness, ASTM D-2240</td>
<td>50 ± 5 Shore D</td>
</tr>
<tr>
<td>Tear Resistance, Die C, ASTM D-624</td>
<td>300 ± 50 pli</td>
</tr>
<tr>
<td>Tensile Strength, ASTM D-412</td>
<td>52.6 ± 8.8 kN/m</td>
</tr>
<tr>
<td>2300 ± 300 psi</td>
<td></td>
</tr>
<tr>
<td>Ultimate Elongation, ASTM D-412</td>
<td>50 ± 20 %</td>
</tr>
<tr>
<td>Specific Gravity, Side-A</td>
<td>1.04</td>
</tr>
<tr>
<td>Side-B</td>
<td>1.25</td>
</tr>
<tr>
<td>Total Solids by Weight, ASTM D-2369</td>
<td>79 ± 2 %</td>
</tr>
<tr>
<td>Total Solids by Volume, ASTM D-2697</td>
<td>72 ± 2 %</td>
</tr>
<tr>
<td>Viscosity at 75°F (24°C), Side-A</td>
<td>1.97 lb/gal</td>
</tr>
<tr>
<td>Side-B</td>
<td>236 gm/liter</td>
</tr>
</tbody>
</table>
APPLICATION
Polycoat-Staingard 6072 can be applied by phenolic resin core roller, high pressure spray, or through a cup gun under low pressure. Polycoat-Staingard 6072 should be applied at a minimum film thickness of 5 mils. It should be noted that the heavier the application, the longer the curing process takes.

Apply Polycoat-Staingard 6072 evenly over the entire deck. For best results, use an airless sprayer. A phenolic resin core roller may be used, but extra care should be taken not to cause air bubbles.

CURING
At 75°F (24°C) and 50% relative humidity, allow each coat to cure 2-4 hours.

Allow 6 hours before permitting light pedestrian traffic and at least 24-48 hours before permitting heavy pedestrian traffic on to the finished surface.

Uncured Polycoat-Staingard 6072 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in batch sizes and thickness of application.

Low temperature and/or low humidity extend the cure time.

EQUIPMENT CLEANNUP
Equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, immediately after use.

STORAGE
Polycoat-Staingard 6072 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.

Surface may be slippery when wet.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sand-solvent, as permitted under local regulations, immediately after use.

Viscosity at 75°F (24°C), Side-A: 200 ± 50 cps

Volatile Organic Compounds: 0.83 lb/gal

ASTM D-2369-81: 100 gililter

STORAGE
Polycoat-Staingard 6072 has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

LIMITATIONS
Surfaces must be dry, clean and free of foreign matter.

Clear coating may turn opaque and cloudy due to moisture penetration, especially in exterior applications.

Surface may be slippery when wet.

Containers that have been opened must be used as soon as possible.

Do not dilute under any circumstance.

The following conditions must not be coated with Polycoat Products deck coating systems or products: on grade or below grade slabs, split slabs with buried membrane, sand-solvent, as permitted under local regulations, immediately after use.

Viscosity at 75°F (24°C), Side-A: 200 ± 50 cps

Volatile Organic Compounds: 0.83 lb/gal

ASTM D-2369-81: 100 gililter

WARNING
This product contains isocyanates and Solvent.
2.0 USES

The walking deck systems described in Tables 1 and 2 are for use directly over plywood and concrete substrates. When installed in accordance with this report, the walking decks comply with IBC Section 1505, IRC Section R902 and UBC Section 1504.1 as Class A or Class B roof coverings.

The Polycote-Aquatight® and Flexideck® P-TW Underlayment Systems are liquid-applied waterproofing systems that cure to a monolithic, elastomeric membrane for use as an underlayment for ceramic tile. The systems are also used as shower sub-pan lining materials in accordance with the IPC and the IAMPO UPC.

3.0 DESCRIPTION

3.1 Materials:

The shelf life of all liquid materials and components described in this report is one year from the date of manufacture, when the components are stored at 75°F (24°C) in factory-sealed containers.

3.1.1 Primers:

3.1.1.1 PolyPrime 21 Primer: This is a two-component, 100 percent solids, epoxy primer available in 3- and 15-gallon (11.3 and 56.8 L) kits. The A-to-B mixing ratio of the two components is 2-to-1 by volume.

3.1.1.2 PolyPrime 2180 Primer: This is a two-component, solvent-based epoxy primer available in 2- and 10-gallon (7.6 and 37.8 L) kits. The A-to-B mixing ratio of the two components is 1-to-1 by volume.

3.1.1.3 PolyPrime U22 Primer: This is a two-component, solvent-free polyurethane primer available in 2- and 10-gallon (7.6 and 37.8 L) kits. The A-to-B mixing ratio of the two components is 1-to-1 by volume.

3.1.1.4 PolyPrime U25 Primer: This is a two-component, solvent-based polyurethane primer available in 2- and 10-gallon (7.6 and 37.8 L) kits. The A-to-B mixing ratio of the two components is 1-to-1 by volume.

3.1.1.5 Enviro-Grip® EP #1: This is a two-component, 100 percent solids, epoxy primer available in 3- and 15-gallon (11.3 and 56.8 L) kits. The A-to-B mixing ratio of the two components is 2-to-1 by volume.

3.1.1.6 Enviro-Grip® EP #2: This is a two-component, solvent-based epoxy primer available in 2- and 10-gallon (7.6 and 37.8 L) kits. The A-to-B mixing ratio of the two components is 1-to-1 by volume.
3.1.7 Enviro-Grip® PU #3: This is a two-component, solvent-free polyurethane primer available in 2- and 10-gallon (7.6 and 37.8 L) kits. The A-to-B mixing ratio of the two components is 1-to-1 by volume.

3.1.8 Enviro-Grip® PU #4: This is a two-component, solvent-based polyurethane primer available in 2- and 10-gallon (7.6 and 37.8 L) kits. The A-to-B mixing ratio of the two components is 1-to-1 by volume.

3.1.9 Membranes:

3.1.10 PolyKarpet® SL-660: PolyKarpet® SL-660 is a solvent-free, water-curable, polyurethane mixture that is mixed with water at a ratio of 5 gallons (18.9 L) of mixture to 1.25 gallons (4.73 L) of water to produce the PolyKarpet® SL-660 membrane. It is available in 5-gallon (18.9 L) pails.

3.1.11 PolyCoat PC-440: PolyCoat PC-440 is a single-component, polyurethane elastomeric mixture that is applied, without dilution, as the base membrane. It is available in 5-gallon (18.9 L) pails and 55-gallon (208.2 L) drums.

3.1.12 PolyCoat PC-440 SF: PolyCoat PC-440 SF is a single-component, solvent-free, polyurethane elastomeric mixture that is applied, without dilution, as the base membrane. It is available in 5-gallon (18.9 L) pails.

3.1.13 P-Tuff® Base: P-Tuff® Base is a single-component, water-catalyzed, polyurethane elastomeric mixture that is applied, without dilution, as the base membrane. This membrane material is also used as a caulking material to fill cracks and joints in the substrate. It is available as P-Tuff® SLV Solvenated Base Membrane or, solvent-free, as P-Tuff® Classic or P-Tuff® Flex. P-Tuff® Base Membrane is mixed with water at a mixing ratio of 2.5 gallons (9.5 L) of P-Tuff® Base Membrane material to 2.5 quarts (2.4 L) of water, to yield a material called P-Tuff® Mixed Membrane Material (P-Tuff® MMM). The P-Tuff® products are available in 5-gallon (18.9 L) containers.

3.1.14 Surface-protection Coatings:

3.1.15 PolyGlace 400 FR: This is a two-part, moisture-cured, aliphatic polyester polyurethane coating. It is available in 6-gallon (22.7 L) kits. The powder-to-liquid mixing ratio is 1-to-5 by volume.

3.1.16 PolyGlace 400: This is a single-component, moisture-cured, aliphatic polyester polyurethane coating. It is available in 1- and 5-gallon (3.8 and 18.9 L) pails.

3.1.17 Polycoast-Staingard 1110: This is a two-component, liquid-applied, aliphatic polyester polyurethane coating. It is available in 1- and 5-gallon (3.8 and 18.9 L) kits.

3.1.18 Poly-I-Gard® 246: This is a single-component, moisture-cured, urethane basecoat and surface-protection coating. It is available in 5-gallon (18.9 L) pails and 55-gallon (208.2 L) drums. The Poly-I-Gard® 246 is used with an accelerator as described in Section 3.1.4.3.

3.1.19 PolyI-Gard® 246 SF: This is a single-component, moisture-cured, solvent-free, urethane basecoat and surface protection coating. It is available in 5-gallon (18.9 L) pails and 55-gallon (208.2 L) drums. The Poly-I-Gard® 246 SF is used with an accelerator as described in Section 3.1.4.3.

3.1.20 Topshield® EST: This is a single-component, moisture-cured, aliphatic polyester polyurethane coating. It is available in 1- and 5-gallon (3.8 and 18.9 L) pails.

3.1.21 Topshield® EST-FR: This is a two-part, moisture-cured, aliphatic polyester polyurethane coating. It is available in 6-gallon (22.7 L) kits. The powder-to-liquid mixing ratio is 1-to-5 by volume.

3.1.22 Accelerators, Hardeners, and Catalysts:

3.1.23 PolyCoat PC-50 Thickener/Accelerator: This is a proprietary liquid catalyst used to accelerate and thicken the PolyCoat PC-440 and PolyCoat PC-440 SF elastomeric waterproofing membranes. Thickened PolyCoat PC-440 and PolyCoat PC-440 SF membranes may be used as caulking pastes to fill cracks. PolyCoat PC-50 is available in 1-qt (0.95 L) and 1-gallon (3.8 L) containers. The mixing ratio is 1 quart (0.95 L) of PolyCoat PC-50 to 5 gallons (18.9 L) of base membrane.

3.1.24 PolyCoat PolyGlaize Hardener: This is a liquid accelerator used in the PolyGlaize 400 FR, PolyGlaize 400, Poly-I-Gard® 246, and Poly-I-Gard® 246 SF surface-protection coatings. It is available in 1-qt (0.95 L) and 1-gallon (3.8 L) containers. Maximum mixing ratio is 1 quart (0.95 L) of hardener to 5 gallons (18.9 L) of surface-protection coatings.

3.1.25 Poly-I-Gard® 246 Accelerator: This accelerator must be added at a rate of 8 ounces (0.24 L) per 5 gallons (18.9 L) of Poly-I-Gard® 246 or Poly-I-Gard® 246 SF.

3.1.26 Quick-N-Cure Catalyst: This is a proprietary, organometallic catalyst used in the PolyKarpet® SL-660 base membrane. The mixing ratio is one to three vials (20 to 60 grams) of Quick-N-Cure to 5 gallons (18.9 L) of PolyKarpet® SL-660 base membrane.

3.1.27 Topshield® Accelerator: This is a liquid accelerator used in the Topshield® EST and Topshield® EST-FR surface-protection coatings. The maximum mixing ratio is 1 quart (0.95 L) of the accelerator to 5 gallons (18.9 L) of surface-protection coating. The accelerator is available in 1-qt (0.95 L) and 1-gallon (3.8 L) containers.

3.1.28 P-Tuff® Catalyst: The P-Tuff® Catalyst is a proprietary, organometallic catalyst used in the P-Tuff® Base Membrane material. The maximum mixing ratio is three vials (60 grams) of catalyst to 5 gallons (18.9 L) of P-Tuff® Base Membrane material.

3.1.29 Fiberglass Straight Jacket Tape: This fiberglass tape is available in rolls 4 inches (102 mm) wide by 150 feet (45.7 m) long and is used as reinforcement over joints and cracks in plywood.

3.1.30 Nonwoven Polyester Tape: This nonwoven tape is available in rolls 3 inches (76 mm) wide by 300 feet (91.4 m) long and is used as reinforcement over joints and cracks in concrete.

3.1.31 Surface Texture:

3.1.32 Rounded Sand: This is washed, dry, rounded crystal silica sand, having a maximum 16 or 20 mesh size and a minimum hardness of 6.5 Moh, used for walking decks.

3.1.33 Angular Sand: This is washed, dry, angular, cracked crystal silica sand, 16 mesh (0.0469 in. 1.19 mm) and with a minimum hardness of 6.5 Moh, used under ceramic tiles and shower pans.

3.1.34 Rubber Granules: These 14-30 mesh rubber granules are used with the PolyCoat and Polytuff assembles.

3.2 Substrates:

3.2.1 Plywood: Depending on the PolyCoat and Polytuff materials applied to the substrate, plywood substrates must be minimum of **1/16** **³/₁₆** or **³/₁₆** in-thick (0.15, 0.159, 0.167 or 19.1 mm) exterior-grade plywood with tongue-and-groove edges or blocked edges, complying with U.S. Department of Commerce PS-1 or PS-2 (UBC Standard 23-2 or Standard 23-3). See Tables 1 and 2 for plywood thickness requirements.
3.2.2 Concrete: Concrete substrates must comply with the requirements of the applicable code.

4.0 INSTALLATION

4.1 General:
The systems must be installed in accordance with the manufacturer’s published installation instructions, the applicable code and this report. The manufacturer’s installation instructions and this report must be available on the jobsite at all times during installation.

4.2 Walking Decks:

4.2.1 Preparation of Substrates:

4.2.1.1 General: Installation is limited to when the weather is dry and the ambient temperature is above 45°F (7.2°C). Materials must not be applied if precipitation is occurring or expected. Concrete or plywood substrates must be free of all contamination that may impair proper bonding. Substrates must be sloped a minimum of 1/4 inch (6.4 mm) per foot (305 mm) (2.1 percent) for drainage, and must be primed with the applicable primer specified in Table 1 prior to application of the membrane and surface-protection materials. New plywood substrates do not require primer.

4.2.1.2 Concrete: Concrete substrates must be clean, dry and free of standing water. All joints and cracks must be caulked flush with substrate, and all high spots cut or ground off, to provide a smooth, even surface. Before the material is applied, the substrate is swept or blown clean to remove dust or foreign material. Paint, grease and oil must be removed either by grinding or shot-blasting, and new concrete surfaces must be shot-blasted. Large areas to be covered must have control joints at intervals not to exceed 20 feet (6096 mm) on center.

Control joints are cut in accordance with the applicable concrete design standard and are then caulked.

4.2.1.3 Plywood: Plywood must be installed in accordance with the applicable code. The plywood surface must be clean, dry and free of all foreign materials such as paint, grease, oil and dust. Cracks in the plywood, and all panel butt joints, must be sealed using a polyurethane caulk compound.

4.2.2 Installation of Flashing: All door thresholds, jambs, posts, walls, sills and fascia must have metal flashing in accordance with the applicable code. Flashing must comply with IBC Section 1503.2, IRC Section R903.2 or UBC Section 1509, as applicable.

4.2.3 Application of Systems: Application of systems recognized in this report must comply with the manufacturer’s published installation instructions and this report.

4.2.3.1 Polycoat System: System details and application rate of products are shown in Table 1. For details on system installation, refer to Polycoat's Technical Data Sheets and System Details.

4.2.3.2 Polytuff System: System details and application rates of products are shown in Table 2. For details on system installation, refer to Polytuff's Technical Data Sheets and System Details.

4.2.4 Method of Repair: Damaged areas are permitted to be repaired by cutting or grinding out an area extending 6 inches (152 mm) beyond the damage; cleaning with a urethane-active solvent; and applying the primer, base membrane, and topcoats in the same manner as described in the published installation instructions and this report.

4.2.5 One-hour Fire-resistance-rated Construction: The Polydeck® 355, Polydeck® 400, Polydeck® 600, Polydeck® 610, Flexideck® P-A and Flexideck® P-B walking deck systems, as described in Tables 1 and 2, are permitted to be substituted for the double wood floor described in Assembly 13 of IBC Table 720.1(3) or Assembly 13 of UBC Table 7-C, when installed in accordance with this report over 1/4-inch-thick (19 mm), Exterior 1 plywood supported by minimum 2-by-10 joists spaced a maximum of 16 inches (406 mm) on center.

4.2.6 Roof Covering Fire Classification: When installed in accordance with this report, the assemblies have the fire classifications noted in Tables 1 and 2.

4.2.7 Wind Resistance: The maximum allowable wind resistance pressure is limited by the capacity of the roof deck construction. The roof deck must be designed to withstand wind pressures in accordance with IBC Section 1609.5.1. For jurisdictions adopting the UBC, installation is limited to areas subject to a maximum basic wind speed (fastest mile) of 80 mph (129 km/h) on structures a maximum of 40 feet (12192 mm) in height in Exposure B areas.

4.3 Ceramic Tile Underlayment and Shower Sub-pan Lining:

4.3.1 Preparation of Substrates: See Section 4.2.1.

4.3.2 Application of Systems: See Section 4.2.3 and Tables 1 and 2.

4.3.3 Method of Repair: See Section 4.2.4.

5.0 CONDITIONS OF USE

The products described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 Installation must comply with this report, the manufacturer's published installation instructions and the applicable code. If there is a conflict between the manufacturer's published installation instructions and this report, this report governs.

5.2 The products are manufactured in Santa Fe Springs, California, under a quality control program with inspections by Ramtech Laboratories, Inc. (AA-655).

6.0 EVIDENCE SUBMITTED


7.0 IDENTIFICATION

Individual containers of each component bear a label indicating the name and address of the manufacturer (Polycoat Products), the product designation, the evaluation report number (ESR-2785), shelf life information in the form of an expiration date, and the name of the inspection agency (Ramtech Laboratories, Inc.).
## TABLE 1—POLYCOAT SYSTEMS

<table>
<thead>
<tr>
<th>Item No.</th>
<th>System</th>
<th>Treatment of Joints/Cracks in Substrate</th>
<th>Primer</th>
<th>Base Membrane</th>
<th>Surfacing Material</th>
<th>Finish Coat</th>
<th>Substrate Max. Slope (inch per horizontal foot)</th>
<th>Fire Classification (UBC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Polydeck 400</td>
<td>PC-440 or PC-440 SF combined with PC-50 as caulking paste and Straight Jacket tape for reinforcement</td>
<td>Polyprine 21, 2150, U22, or U25 1 gal. (mixture of Side A &amp; Side B) per 300 sq. ft. Minimum Dry Mil: 3</td>
<td>First Coat: PC-440 or PC-440 SF 3 gal. per 100 sq. ft. Minimum Dry Mil: 33</td>
<td>Rounded Sand 100 lbs. per 100 sq. ft.</td>
<td>First Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 13</td>
<td>1/4 or 1/8&quot; Inch Plywood</td>
<td>4A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Second Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 8</td>
<td>Concrete</td>
<td>4A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Second Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 8</td>
<td>Concrete</td>
<td>4A</td>
</tr>
<tr>
<td>1.2</td>
<td>Polydeck 410</td>
<td>Same as Item 1.1</td>
<td>Same as Item 1.1</td>
<td>First Coat: PC-440 or PC-440 SF 2% gal. per 100 sq. ft. Minimum Dry Mil: 27</td>
<td>Same as Item 1.1</td>
<td>First Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 13</td>
<td>1/4 or 1/8&quot; Inch Plywood</td>
<td>4A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Second Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 8</td>
<td>Concrete</td>
<td>4A</td>
</tr>
<tr>
<td>1.3</td>
<td>Polydeck 355</td>
<td>Same as Item 1.1</td>
<td>Same as Item 1.1</td>
<td>First Coat: PC-440 or PC-440 SF 2% gal. per 100 sq. ft. Minimum Dry Mil: 22</td>
<td>Same as Item 1.1</td>
<td>First Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 13</td>
<td>1/4 or 1/8&quot; Inch Plywood</td>
<td>4B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Second Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 8</td>
<td>Concrete</td>
<td>4A</td>
</tr>
<tr>
<td>1.4</td>
<td>Polydeck 355</td>
<td>Same as Item 1.1</td>
<td>Same as Item 1.1</td>
<td>First Coat: PC-440 or PC-440 SF 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 11</td>
<td>Same as Item 1.1</td>
<td>First Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 13</td>
<td>1/4 or 1/8&quot; Inch Plywood</td>
<td>4B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Second Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 8</td>
<td>Concrete</td>
<td>4A</td>
</tr>
<tr>
<td>1.5</td>
<td>PolyKerper® 600</td>
<td>PolyKerper® SL-660 Mixture as a caulking paste and Straight Jacket tape for reinforcement</td>
<td>Same as Item 1.1</td>
<td>First Coat: PolyKerper® SL-660 3 gal. per 100 sq. ft. Minimum Dry Mil: 36</td>
<td>Rounded Sand 100 lbs. per 100 sq. ft.</td>
<td>First Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 13</td>
<td>1/4 or 1/8&quot; Inch Plywood</td>
<td>4A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Second Coat: PolyKerper® SL-660 1 gal. per 100 sq. ft. Minimum Dry Mil: 12</td>
<td>Concrete</td>
<td>4A</td>
</tr>
<tr>
<td>1.6</td>
<td>PolyKerper® 610</td>
<td>Same as Item 1.5</td>
<td>Same as Item 1.1</td>
<td>First Coat: PolyKerper® SL-660 4 gal. per 100 sq. ft. Minimum Dry Mil: 48</td>
<td>Rubber Granules 10 lbs. per 100 sq. ft.</td>
<td>First Coat: Polyglaze 400 FR 1/4 gal. per 100 sq. ft. Minimum Dry Mil: 13</td>
<td>1/4 or 1/8&quot; Inch Plywood</td>
<td>4B</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Second Coat: PolyKerper® SL-660 1 gal. per 100 sq. ft. Minimum Dry Mil: 12</td>
<td>Concrete</td>
<td>4A</td>
</tr>
<tr>
<td>1.7</td>
<td>Poly-I-Gard® 246</td>
<td>Same as Item 1.1</td>
<td>Polyprine 21 or 2160 1 gal. (mixture of Side A &amp; Side B) per 300 sq. ft. Minimum Dry Mil: 3</td>
<td>First Coat: Poly-I-Gard® 246 1% gal. per 100 sq. ft. Minimum Dry Mil: 14</td>
<td>Rounded Sand 10 lbs. per 100 sq. ft.</td>
<td>Final Coat: Poly-I-Gard® 246 1% gal. per 100 sq. ft. Minimum Dry Mil: 14</td>
<td>Concrete</td>
<td>4A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Optional coat: Poly-I-Gard® 246 1% gal. per 100 sq. ft. Minimum Dry Mil: 14</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Broadcast Rounded Sand 10 lbs. per 100 sq. ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.8</td>
<td>Poly-I-Gard® 246 SF</td>
<td>Same as Item 1.1</td>
<td>Polyprine 21 1 gal. (mixture of Side A &amp; Side B) per 300 sq. ft. Minimum Dry Mil: 3</td>
<td>First Coat: Poly-I-Gard® 246 SF 1 gal. per 100 sq. ft. Minimum Dry Mil: 16</td>
<td>Rounded Sand 10 lbs. per 100 sq. ft.</td>
<td>Final Coat: Poly-I-Gard® 246 SF 1 gal. per 100 sq. ft. Minimum Dry Mil: 16</td>
<td>Concrete</td>
<td>4A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Optional coat: Poly-I-Gard® 246 SF 1 gal. per 100 sq. ft. Minimum Dry Mil: 16</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Broadcast Rounded Sand 10 lbs. per 100 sq. ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.9</td>
<td>Polycast, Aquacast®</td>
<td>Same as Item 1.1</td>
<td>Polyprine 21 or 2160 1 gal. (mixture of Side A &amp; Side B) per 300 sq. ft. Minimum Dry Mil: 3</td>
<td>First Coat: Polycast 440 SF 3 gal. per 100 sq. ft. Minimum Dry Mil: 48</td>
<td>Angular Cracked Silica Sand till refusal</td>
<td>For Floors: Ceramic tile or dimensional stone</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Ceramic Tile Underlayment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For SI: 1 gallon = 3.8 L, 1 sq. ft. = 0.093 sq. meters, 1 lb. = 4.45 N, 1 inch = 25.4 mm.
Polycoat Products
14722 Spring Avenue
Santa Fe Springs, CA  90670

Attn:  Devendra Kumar
(562) 802-8834

RESEARCH REPORT:  RR 25171
(CSI #07180)

BASED UPON ICC EVALUATION SERVICE
REPORT NO. ESR-2785

REEVALUATION DUE DATE:
January 1, 2012
Issued Date:  February 1, 2010
Code:  2008 LABC


DETAILS

The above assemblies and/or products are approved when in compliance with the description, use, identification and findings of Evaluation Report No. ESR- 2785, dated March 1, 2009, of the ICC Evaluation Service, Incorporated.  The report, in its entirety, is attached and made part of this general approval.

The parts of Evaluation Report No. ESR-2785 marked by an asterisk are modified or deleted by the Los Angeles City Building Department from this approval.

DISCUSSION

The report is in compliance with the 2008 Los Angeles City Building Code.

The approval is based on tests in accordance with ASTM E108 and the ICC ES Acceptance Criteria for Walking Decks.
Polycoat Product
RE: Polycoat and Polytuff Walking Deck, Polycoat-Aquatight Tile Underlayment, Waterproofing system and Roof Surfacing Systems

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revisions to the report must be submitted to this Department, with appropriate fee, for review in order to continue the approval of the revised report.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this approval have been met in the project in which it is to be used.

YEUAN CHOU, Chief
Engineering Research Section
201 N. Figueroa St, Room 880
Los Angeles, CA 90012
Phone - 213-202-9812
Fax - 213-202-9943

Summary of Test Report Conducted by Ramtech Laboratories on the Polydeck 355 Decking System

   Visual Examinations: No signs of chalking, crazing, cracking, blistering, delaminating, spalling, softening or any other deleterious effects.
   ASTM-D 751, Five specimens weathered and five specimens aged per AC39 Sec. IV A & B. Stretch rate 12 ± 0.5 in./min.
<table>
<thead>
<tr>
<th>With Aggregate</th>
<th>Tensile Strength (lb./in.)</th>
<th>Elongation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>10.4</td>
<td>34</td>
</tr>
<tr>
<td>Weathered</td>
<td>15.0</td>
<td>25</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>31</td>
<td>26</td>
</tr>
<tr>
<td>Aged</td>
<td>12</td>
<td>25</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>13</td>
<td>26</td>
</tr>
<tr>
<td>Without Aggregate</td>
<td>23.4</td>
<td>165</td>
</tr>
<tr>
<td>Tensile Strength (lb./in.)</td>
<td>34</td>
<td></td>
</tr>
<tr>
<td>Elongation (%)</td>
<td>147</td>
<td></td>
</tr>
<tr>
<td>Control</td>
<td>34</td>
<td>11</td>
</tr>
<tr>
<td>Weathered</td>
<td>32</td>
<td>123</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>13</td>
<td>26</td>
</tr>
<tr>
<td>Aged</td>
<td>27</td>
<td>25.4</td>
</tr>
</tbody>
</table>

2. Aging Test: ASTM D-412, Stretch rate 20 ± 0.5 in./min. Procedure D & E. Six cycles of each procedure. Material tested without aggregate.
   Visual Examination after Aging Test: No sign of chalking, crazing, cracking, blistering, or any other deleterious effects.

<table>
<thead>
<tr>
<th>ASTM D-412</th>
<th>ASTM D-412</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>1971</td>
</tr>
<tr>
<td>Weathered</td>
<td>1919</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>-2.64</td>
</tr>
<tr>
<td>Aged</td>
<td>2024</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>+2.7</td>
</tr>
</tbody>
</table>

3. Percolation Test: ICC-ES Eval. Svc., Inc. AC 39 Sect. IV-G: Loss to Percolation after 1000 cycles abrasion test (% of original head, max. allowed 1%): 0%

4. Absorption Test: ASTM D 570, 24 hr. immersion in distilled water: Weight % of water absorption (max. 5%): 1.75%

5. Water Vapor Transmission (WVT) Test: ASTM E-96 Desiccant Method: WVT: 0.0000000210 grams/Pa sec m², WVT: 0.368 grains/ft² hr in. Hg


7. Concentrated Load Test: AC 39, Sec. IV L. One inch diameter steel plate with rounded corners.
   Load [lbs] | 100 | 200 | 300 |
   Deflection [inches] | 0.018 | 0.031 | 0.039 |

8. Impact Resistance: A 2 lb. steel ball dropped 8 ft. to the deck surface. Test was performed three times with an average indentation of 0.025 in.

9. Crack Resistance (Crack Bridging): Top coat showed signs of cracking while bottom coat maintained its integrity.

10. Chemical Resistance Tests: ASTM D-2299 Determine Relative Stain Resistance of Plastics by immersing specimens in 18 reagents @ 122°F (50°C) for 16 hours.

<table>
<thead>
<tr>
<th>Non-Abraded</th>
<th>Abraded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy duty detergent sol.</td>
<td>1</td>
</tr>
<tr>
<td>Muriatic acid - 10%</td>
<td>1</td>
</tr>
<tr>
<td>Ammonia solution - 5%</td>
<td>1</td>
</tr>
<tr>
<td>Anti-Freeze</td>
<td>1</td>
</tr>
<tr>
<td>Kerosene</td>
<td>1</td>
</tr>
<tr>
<td>Salt Solution - 10%</td>
<td>1</td>
</tr>
<tr>
<td>Paint thinner - 10%</td>
<td>1</td>
</tr>
<tr>
<td>Chlorine Solution - 10%</td>
<td>1</td>
</tr>
<tr>
<td>Turpentine - 10%</td>
<td>1</td>
</tr>
<tr>
<td>Sulfuric Acid - 3%</td>
<td>1</td>
</tr>
<tr>
<td>Transformer Oil</td>
<td>1</td>
</tr>
<tr>
<td>Sulfuric Acid - conc.</td>
<td>3</td>
</tr>
<tr>
<td>Diesel fuel</td>
<td>1</td>
</tr>
<tr>
<td>Hydraulic Fluids</td>
<td>1</td>
</tr>
<tr>
<td>Gasoline</td>
<td>1</td>
</tr>
<tr>
<td>Toluene</td>
<td>1</td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>1</td>
</tr>
<tr>
<td>Soap Solution - 1%</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: a) Of the 18 reagents used in the chemical resistance test, only sulfuric acid concentrate caused a deterioration of the decking system.
b) Wearing surface revealed no cracking, crazing, delamination, or any other deleterious effects.
c) The test specimens which were coded “No. 3 - Considerably Affected” could not be restored to their original surface condition by normal cleaning methods.

11. Low Temperature Flexibility: AC 39 Sec. K. 5°F. No cracking or crazing upon visual examination under 5x magnification in the bent condition.

A) Intermittent Flame Exposure Test (2 decks): Both of the decks met the requirements for Class B Intermittent Flame Exposure Test. There was no evidence of displacement, sliding, spalling, or flames underneath these decks during or after the test.
B) Spread of Flame Test (2 decks)-Base (in.) Length (in.)
Deck 1 21 54
Deck 2 18 43
Max. Flame Spread Allowed 40 72
C) Burning Brand Test (4 decks): Both decks passed. No flaming or damage occurred underneath decks. The heat areas were confined to the immediate area of brand placement. There was no displacement of the Polydeck 355 System observed during or after the test.
Polydeck 355 Decking System will satisfactorily withstand the three methods of tests for a Class B Rating on concrete substrates and Class B rating on ¾” plywood in UBC STD #32-7, ASTM E108, UL 790 and NFPA No. 256, when constructed, installed and tested as described herein.

13. One-Hour Fire-Resistive Construction: Based on the performance of the test assembly, Polydeck 355 Walking Deck System installed on ¾” thick C-D plywood as a substitute for the double wood floor described in Construction No. 13, Item 13-1.1, Table No. 7-C of the 1994 U.B.C. Standard No. 7-1. The assembly was tested with 2 X 10 floor joists spaced at 16 inches on center. The average room temperature rise on the unexposed face was 260°F and the maximum single thermometer reading was 310°F after 65 minutes. The acceptance limit is 250°F average temperature rise with no single reading over 350°F above ambient after 60 minutes. The area under the test vs. temperature curve equals the standard time-temperature E-119 curve at 60.56 minutes.

**ASTM C-957-93 (Ramtech Report #10988-97)**

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Actual Minimum C-957</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tensile, psi</strong></td>
<td><strong>% of Control</strong></td>
</tr>
<tr>
<td>Control</td>
<td>1102</td>
</tr>
<tr>
<td>Water</td>
<td>1046</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>934</td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td>854</td>
</tr>
<tr>
<td><strong>Elongation Recovery (%)</strong></td>
<td><strong>Tensile Strength (psi) Elongation (%)</strong></td>
</tr>
<tr>
<td>Control</td>
<td>91.2 (2 hrs.)</td>
</tr>
<tr>
<td></td>
<td>98.4 (24 hrs.)</td>
</tr>
<tr>
<td>Weathered</td>
<td>90.3 (2 hrs.)</td>
</tr>
<tr>
<td></td>
<td>96.9 (24 hrs.)</td>
</tr>
<tr>
<td>% of Control</td>
<td>99 (2 hrs.)</td>
</tr>
<tr>
<td></td>
<td>98.5 (24 hrs.)</td>
</tr>
</tbody>
</table>

7. Abrasion Test: ASTM C-957-93, C-501, weight loss (Maximum allowed: 0.050 grams): 0.045 grams

---

**DISCLAIMER**

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.

Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

14722 Spring Avenue ● Santa Fe Springs, CA 90670-5108 USA ● Tel: 562/802-8834 ● Fax: 562/921-7363 ● www.polycoatusa.com ● Copyright© March 2011 Polycoat Products
Summary of Test Report Conducted by Ramtech Laboratories on the Polydeck 400 Decking System

Visual Examinations: No signs of chalking, crazing, cracking, blistering, delaminating, spalling, softening or any other deleterious effects.
ASTM-D 751, Five specimens weathered and five specimens aged per AC39 Sec. IV A & B., Stretch rate 12 ± 0.5 in./min.

<table>
<thead>
<tr>
<th>With Aggregate</th>
<th>Tensile Strength (lb./in.)</th>
<th>Elongation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>16.2</td>
<td>35</td>
</tr>
<tr>
<td>Weathered</td>
<td>13.6</td>
<td>26</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Aged</td>
<td>20.6</td>
<td>17</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>25.7</td>
<td>51.4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Without Aggregate</th>
<th>Tensile Strength (lb./in.)</th>
<th>Elongation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>50.3</td>
<td>129</td>
</tr>
<tr>
<td>Weathered</td>
<td>30</td>
<td>108</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>40.3</td>
<td>16.3</td>
</tr>
<tr>
<td>Aged</td>
<td>54.4</td>
<td>109</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>7.5</td>
<td>15.5</td>
</tr>
</tbody>
</table>

2. Aging Test: ASTM D-412, Stretch rate 20 ± 0.5 in./min. Procedure D & E. Six cycles of each procedure. Material tested without aggregate
Visual Examination after Aging Test: No sign of chalking, crazing, cracking, blistering, delamination, or any other deleterious effects.

<table>
<thead>
<tr>
<th>Tensile Strength (psi)</th>
<th>Elongation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D-412</td>
<td>ASTM D-412</td>
</tr>
<tr>
<td>Control</td>
<td>1165</td>
</tr>
<tr>
<td>Weathered</td>
<td>797</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>-31.59</td>
</tr>
<tr>
<td>Aged</td>
<td>1040</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>-10.7</td>
</tr>
</tbody>
</table>

| Bond Strength (psi), ASTM C-297: |
|-------------------------------|----------------|
| Polyprime 21 | Plywood | Metal | Concrete |
| Control | 110 | 411 | 298 |
| Aged | 115 | 331 | 304 |
| % Change | +4.3 | -19.5 | +2.01 |
| Mode of Failure | Cohesive failure of Polydeck 400 | Cohesive failure of concrete |

<table>
<thead>
<tr>
<th>Polyprime 21</th>
<th>Plywood</th>
<th>Metal</th>
<th>Concrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>113</td>
<td>387</td>
<td>279</td>
</tr>
<tr>
<td>Aged</td>
<td>125</td>
<td>383</td>
<td>277</td>
</tr>
<tr>
<td>% Change</td>
<td>+9.6</td>
<td>-1.03</td>
<td>-0.72</td>
</tr>
<tr>
<td>Mode of Failure</td>
<td>Cohesive failure of Polydeck 400</td>
<td>Cohesive failure of concrete</td>
<td></td>
</tr>
</tbody>
</table>

3. Percolation Test: ICC-ES Evaluation Svc., Inc. AC 39 Sect. IV-G. Loss due to Percolation after the 1000 cycles abrasion test (% of original head, max. allowed 1%): 0%

4. Absorption Test: ASTM D 570, 24 hour immersion in distilled water: Weight % of water absorption (max. allowed 5.0%): 1.62%

5. Water Vapor Transmission (WVT) Test: ASTM E-96 Desiccant Method: WVT: 0.0000000175 grams/Pa · sec · m². WVT: 0.306 grains/ft² · hr · in. Hg


7. Concentrated Load Test: AC 39, Sec. IV L. One inch diameter steel plate with rounded corners.

<table>
<thead>
<tr>
<th>Load [lbs]</th>
<th>100</th>
<th>200</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deflection [inches]</td>
<td>0.018</td>
<td>0.031</td>
<td>0.039</td>
</tr>
</tbody>
</table>

8. Impact Resistance: A two pound steel ball dropped eight feet onto decking system. Test was performed three times with an average indentation of 0.035 in.

9. Crack Resistance (Crack Bridging): Top coat showed signs of cracking, while bottom coat maintained its integrity.

10. Chemical Resistance Tests: ASTM D-2299 Determine Relative Stain Resistance of Plastics by immersing specimens in 18 reagents @ 122°F (50°C) for 16 hours.

<table>
<thead>
<tr>
<th>Non-Abraded</th>
<th>Abraded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy duty detergent sol.</td>
<td>1</td>
</tr>
<tr>
<td>Sulfuric acid - 3%</td>
<td>1</td>
</tr>
<tr>
<td>Ammonia solution - 5%</td>
<td>1</td>
</tr>
<tr>
<td>Sulfuric acid, concentrated</td>
<td>3</td>
</tr>
<tr>
<td>Anti-Freeze</td>
<td>1</td>
</tr>
<tr>
<td>Hydraulic Fluids</td>
<td>1</td>
</tr>
<tr>
<td>Kerosene</td>
<td>1</td>
</tr>
<tr>
<td>Toluene</td>
<td>1</td>
</tr>
<tr>
<td>Diesel fuel</td>
<td>1</td>
</tr>
<tr>
<td>Paint thinner</td>
<td>1</td>
</tr>
<tr>
<td>Transformer oil</td>
<td>1</td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>1</td>
</tr>
<tr>
<td>Turpentine</td>
<td>1</td>
</tr>
<tr>
<td>Soap Solution - 1%</td>
<td>1</td>
</tr>
<tr>
<td>Gasoline</td>
<td>1</td>
</tr>
<tr>
<td>Chlorine solution - 10%</td>
<td>1</td>
</tr>
<tr>
<td>Salt Solution - 10%</td>
<td>1</td>
</tr>
<tr>
<td>Muratic Acid - 10%</td>
<td>1</td>
</tr>
</tbody>
</table>
Note: a) Of the 18 reagents used in the chemical resistance test, only sulfuric acid concentrate caused a deterioration of the decking system.
b) Wearing surface revealed no cracking, crazing, delamination, or any other deleterious effects.
c) The test specimens which were coded “No. 3 - Considerably Affected” could not be restored to their original surface condition by normal cleaning methods.

11. Low Temperature Flexibility: AC 39 Sec. K. 5°F. No cracking or crazing upon visual examination under 5x magnification in the bent condition.


A) Intermittent Flame Exposure Test (2 decks): Both of the decks met the requirements for Class “A” Intermittent Flame Exposure Test. There was no evidence of displacement, sliding, spalling, or flames underneath these decks during or after the test.

B) Spread of Flame Test (2 decks)-Base (in.) Length (in.)
Deck 1 21 54
Deck 2 18 43
Max. Flame Spread Allowed 40 72

C) Burning Brand Test (4 decks): All passed. The heat areas were confined to the immediate area of brand placement. There was no displacement of the Polydeck 400 System observed during or after the test. Material flaming underneath the decks did occur, but all self extinguished within the allotted testing time.

Polydeck 400 will satisfactorily withstand the three methods of tests for a Class A rating on concrete substrates and Class A Rating on ¾” plywood in UBC STD #32-7, ASTM E108, UL 790 and NFPA No. 256, when constructed, installed and tested as described herein.

13. One-Hour Fire-Resistive Construction: Based on the performance of the test assembly, Polydeck 400 Walking Deck System installed on ¾” thick C-D plywood as a substitute for the double wood floor described in Construction No. 13, Item 13-1.1, Table No. 7-C of the 1994 U.B.C. Standard No. 7-1. The assembly was tested with 2 x 10 floor joists spaced at 16 inches on center. The average room temperature rise on the unexposed face was 260°F and the maximum single thermometer reading was 310°F after 65 minutes. The acceptance limit is 250°F average temperature rise with no single reading over 350°F above ambient after 60 minutes. The area under the test time v. temperature curve equals the standard time-temperature E-119 curve at 60.56 minutes.

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Summary of Test Report Conducted by Ramtech Laboratories on the Poly-I-Gard® 246 Decking System

1. Weathering Test: ASTM G-23, Atlas Twin Arc Weatherometer Type DH 2000 hours (equivalent to approx. 6 years of natural weathering).
   Visual Examinations: No signs of chalking, crazing, cracking, blistering, delaminating, spalling, softening or any other deleterious effects.
   ASTM-D 751, Five specimens weathered and five specimens aged per AC39 Sec. IV A & B. Stretch rate 12 ± 0.5 in./min.

<table>
<thead>
<tr>
<th>With Aggregate</th>
<th>Tensile Strength (lb./in.)</th>
<th>Elongation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>16</td>
<td>35</td>
</tr>
<tr>
<td>Weathered</td>
<td>18</td>
<td>25</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>11.1</td>
<td>28.6</td>
</tr>
<tr>
<td>Aged</td>
<td>23</td>
<td>23</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>30.4</td>
<td>34.3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Without Aggregate</th>
<th>Tensile Strength (lb./in.)</th>
<th>Elongation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>50</td>
<td>129</td>
</tr>
<tr>
<td>Weathered</td>
<td>62</td>
<td>105</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>19.3</td>
<td>18.6</td>
</tr>
<tr>
<td>Aged</td>
<td>55</td>
<td>118</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>9</td>
<td>8.5</td>
</tr>
</tbody>
</table>

2. Aging Test: ASTM D-412, Stretch rate 20 ± 0.5 in./min. Procedure D & E. Six cycles of each procedure. Material tested without aggregate.
   Visual Examination after Aging Test: No sign of chalking, crazing, cracking, blistering, delamination, or any other deleterious effects.

<table>
<thead>
<tr>
<th>Tensile Strength (psi)</th>
<th>ASTM D-412</th>
<th>ASTM D-412</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>1175</td>
<td>282</td>
</tr>
<tr>
<td>Weathered</td>
<td>1057</td>
<td>186</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>10</td>
<td>-34</td>
</tr>
<tr>
<td>Aged</td>
<td>1000</td>
<td>270</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>-14.9</td>
<td>-42.6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Bond Strength (psi), ASTM C-297: Polyprime 21</th>
<th>Metal</th>
<th>Concrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>326</td>
<td>330</td>
</tr>
<tr>
<td>Aged</td>
<td>384</td>
<td>429</td>
</tr>
<tr>
<td>% Change</td>
<td>+1.5</td>
<td>+2.3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mode of Failure</th>
<th>Cohesive failure of concrete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyprime 2140</td>
<td>Metal</td>
</tr>
<tr>
<td>Control</td>
<td>329</td>
</tr>
<tr>
<td>Aged</td>
<td>336</td>
</tr>
<tr>
<td>% Change</td>
<td>+1.9</td>
</tr>
</tbody>
</table>

3. Percolation Test: ICC-ES Evaluation Svc., Inc. AC 39 Sect. IV-G. Loss due to Percolation after the 1000 cycles abrasion test. (% of original head, max. allowed 1%): 0%

4. Absorption Test: ASTM D 570, 24 hour immersion in distilled water: Weight % of water absorption (max. allowed 5%): 3.4%

5. Water Vapor Transmission (WVT) Test: ASTM E-96 Desiccant Method: WVT: 0.000000249 grams/Pa . sec . m²; WVT: 4.350 grains/ft² . hr . in. Hg


7. Concentrated Load Test: AC 39, Sec. IV L. One inch diameter steel plate with rounded corners.
   Load [lbs] | 100 | 200 | 300
   Deflection [inches] | 0.019 | 0.030 | 0.038

8. Impact Resistance: A 2 lb. steel ball dropped 8 ft. to deck surface. Test performed three times with an average indentation of 0.029 in.

9. Crack Resistance (Crack Bridging): Top coat showed signs of cracking while bottom coat maintained its integrity.

10. Chemical Resistance Tests: ASTM D-2299 Determine Relative Stain Resistance of Plastics by immersing specimens in 18 reagents @ 122°F (50°C) for 16 hours.
    | Reagent             | Non-Abraded | Abraded |
    |---------------------|-------------|---------|
    | Heavy duty detergent sol. | 1         | 1       |
    | Muriatic acid - 10%   | 2           | 2       |
    | Ammonia solution - 5%  | 1           | 1       |
    | Anti-Freeze          | 1           | 1       |
    | Kerosene             | 1           | 1       |
    | Salt Solution - 10%   | 1           | 1       |
    | Paint thinner - 10%   | 1           | 1       |
    | Chlorine Solution - 10% | 1         | 1       |
    | Turpentine - 10%     | 1           | 1       |
    | Sulfuric Acid - 3%    | 1           | 1       |
    | Transformer Oil       | 1           | 1       |
    | Sulfuric Acid - conc. | 3           | 3       |
    | Diesel fuel          | 1           | 1       |
    | Hydraulic Fluids     | 1           | 1       |
    | Gasoline             | 1           | 1       |
    | Toluene              | 1           | 1       |
    | Lubricating oil       | 1           | 1       |
    | Soap Solution - 1%    | 1           | 1       |

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Note: a) Of the 18 reagents used in the chemical resistance test, only sulfuric acid concentrate caused a deterioration of the decking system.
b) Wearing surface revealed no cracking, crazing, delamination, or any other deleterious effects.
c) The test specimens which were coded “No. 3 - Considerably Affected” could not be restored to their original surface condition by normal cleaning methods.

11. Low Temperature Flexibility: AC 39 Sec. K. 5°F. No cracking or crazing upon visual examination under 5x magnification in the bent condition.


<table>
<thead>
<tr>
<th>Spread of Flame Test (2 decks):</th>
<th>Base (in.)</th>
<th>Length (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deck 1</td>
<td>15</td>
<td>22</td>
</tr>
<tr>
<td>Deck 2</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>Max. Flame Spread Allowed</td>
<td>40</td>
<td>72</td>
</tr>
</tbody>
</table>

Poly-I-Gard® vehicular deck system will satisfactorily withstand the Flame Spread portion of the test for Class A Rating in UBC STD #32-7, ASTM E108, UL 790 and NFPA No. 256, when constructed, installed and tested as described herein.

13. One-Hour Fire-Resistive Construction: Based on the performance of the test assembly, Polydeck 400 Walking Deck System installed on ¾” thick C-D plywood as a substitute for the double wood floor described in Construction No. 13, Item 13-1-1, Table No. 7-C of the 1994 U.B.C. Standard No. 7-1. The assembly was tested with 2 x 10 floor joists spaced at 16 inches on center. The average room temperature rise on the unexposed face was 260°F and the maximum single thermometer reading was 310°F after 65 minutes. The acceptance limit is 250°F average temperature rise with no single reading over 350°F above ambient after 60 minutes. The area under the test time v. temperature curve equals the standard time-temperature E-119 curve at 60.56 minutes.

**ASTM C-957-93 (Ramtech Report #10988-97)**

1. Dry Film Thickness: (3 coats): 39 ± 2 mils (0.099 ± 0.005 cm)
2. Weight Loss: ASTM 957-93, C-836 (max. allowed 40%): 15.3%
3. Low Temp. Flexibility and Crack Bridging: 10 cycles, ½" movement, @ -15°F: Passed
4. Adhesion in Peel: After water immersion (7 days, min. 5 lbs/in.), ASTM 957-93, C-794: 7.8 lbs/in

5. Chemical Resistance: ASTM C-957, D-471: Meets min. requirements

<table>
<thead>
<tr>
<th>Minimum Requirements</th>
<th>Actual Tensile psi</th>
<th>% of Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>3619</td>
<td>--</td>
</tr>
<tr>
<td>Water</td>
<td>3526</td>
<td>70</td>
</tr>
<tr>
<td>Ethylene Glycol</td>
<td>3116</td>
<td>70</td>
</tr>
<tr>
<td>Mineral Spirits</td>
<td>3753</td>
<td>45</td>
</tr>
</tbody>
</table>

6. Weather Resistance and Recovery from Elongation:

| Elongation Recovery Tensile Strength Elongation (%) |
|----------------------------------------------------|----------------|--------------|
| Control                                            | 92.5           | 3430         | 547          |
| Weathered                                          | 92.0           | 3360         | 416          |
| % of Control                                       | 99%            | 98%          | 94%          |

7. Abrasion Test: ASTM C-957-93, C-501, weight loss (Maximum allowed: 0.050 grams): 0.005 grams

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TEST DATA: Poly-I-Gard® 246SF
Vehicular Deck System

Summary of Test Report Conducted by Ramtech Laboratories on the Poly-I-Gard® 246SF Decking System

Visual Examinations: No signs of chalking, crazing, cracking, blistering, delaminating, spalling, softening or any other deleterious effects.
ASTM-D 751, Five specimens weathered and five specimens aged per AC39 Sec. IV A & B. Stretch rate 12 ± 0.5 in./min.

<table>
<thead>
<tr>
<th>With Aggregate</th>
<th>Tensile Strength(lb/in.)</th>
<th>Elongation(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>21.3</td>
<td>89</td>
</tr>
<tr>
<td>Weathered</td>
<td>12</td>
<td>131</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>43.6</td>
<td>32</td>
</tr>
<tr>
<td>Aged</td>
<td>23</td>
<td>111</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>7.3</td>
<td>15.2</td>
</tr>
<tr>
<td>Without Aggregate</td>
<td>Tensile Strength(lb/in.)</td>
<td>Elongation(%)</td>
</tr>
<tr>
<td>Control</td>
<td>41.8</td>
<td>169</td>
</tr>
<tr>
<td>Weathered</td>
<td>29</td>
<td>154</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>30.6</td>
<td>8.9</td>
</tr>
<tr>
<td>Aged</td>
<td>50</td>
<td>133</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>16.4</td>
<td>21.3</td>
</tr>
</tbody>
</table>

2. Aging Test: ASTM D-412, Stretch rate 20 ± 0.5 in./min. Procedure D & E. Six cycles of each procedure. Material tested without aggregate.
Visual Examination after Aging Test: No sign of chalking, crazing, cracking, blistering, delamination, or any other deleterious effects.

<table>
<thead>
<tr>
<th>Tensile Strength(PSI)</th>
<th>Elongation (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D-412</td>
<td></td>
</tr>
<tr>
<td>Control</td>
<td>2573</td>
</tr>
<tr>
<td>Weathered</td>
<td>3666</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>+42.5</td>
</tr>
<tr>
<td>Aged</td>
<td>3982</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>+54.8</td>
</tr>
<tr>
<td>ASTM D-412</td>
<td></td>
</tr>
<tr>
<td>Control</td>
<td>254</td>
</tr>
<tr>
<td>Weathered</td>
<td>280</td>
</tr>
<tr>
<td>% Change Weathered</td>
<td>+10.2</td>
</tr>
<tr>
<td>Aged</td>
<td>308</td>
</tr>
<tr>
<td>% Change Aged</td>
<td>+21.5</td>
</tr>
</tbody>
</table>

Bond Strength (psi), ASTM C-297:
Polyprime 21

<table>
<thead>
<tr>
<th>Mode of Failure</th>
<th>Adhesion failure of concrete</th>
<th>Cohesive failure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control</td>
<td>414</td>
<td>458</td>
</tr>
<tr>
<td>Aged</td>
<td>401</td>
<td>436</td>
</tr>
<tr>
<td>% Change</td>
<td>3.2</td>
<td>5.0</td>
</tr>
<tr>
<td>Polyprime 2140</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control</td>
<td>406</td>
<td>389</td>
</tr>
<tr>
<td>Aged</td>
<td>395</td>
<td>391</td>
</tr>
<tr>
<td>% Change</td>
<td>2.7</td>
<td>0.6</td>
</tr>
</tbody>
</table>

3. Percolation Test: ICC-ES Evaluation Svc., Inc. AC 39 Sect. IV-G Loss due to Percolation after the 1000 cycles abrasion test (% of original head, max. allowed 1%): 0%

4. Absorption Test: ASTM D 570, 24 hour immersion in distilled water. Weight % of water absorption (max. allowed 5%): 1.86%

5. Water Vapor Transmission (WVT) Test: ASTM E-96 Desiccant Method: WVT: 0.00000249 grams/Pa · sec · m²; WVT: 4.350 grains/ft² · hr · in. Hg


7. Concentrated Load Test: AC 39, Sec. IV L. One inch diameter steel plate with rounded corners.
Load [lbs] 100 200 300
Deflection [inches] 0.020 0.028 0.037

8. Impact Resistance: A two pound steel ball dropped eight feet onto the decking system. Test was performed three time with an average indentation of 0.027 in.

9. Crack Resistance (Crack Bridging): Top coat showed signs of cracking while bottom coat maintained its integrity.

10. Chemical Resistance Tests: ASTM D-2299 Determine Relative Stain Resistance of Plastics by immersing specimens in 18 reagents @ 122°F (50°C) for 16 hours.

<table>
<thead>
<tr>
<th>Reagent</th>
<th>Non-Abraded</th>
<th>Abraded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy duty detergent sol.</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Muriatic acid</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Ammonia solution - 5%</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Anti-Freeze</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Kerosene</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Salt Solution - 10%</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Chlorine Solution - 10%</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Paint thinner</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Turpentine</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sulfuric Acid - 3%</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Transformer Oil</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Sulfuric Acid - conc.</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Diesel fuel</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Hydraulic Fluids</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Gasoline - Regular</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Toluene</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Lubricating oil</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Soap Solution</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: a) Of the 18 reagents used in the chemical resistance test, only sulfuric acid concentrate caused a deterioration of the decking system.
b) Wearing surface revealed no cracking, crazing, delamination, or any other deleterious effects.
c) The test specimens which were coded “No. 2 or 3” could not be restored to their original surface condition by normal cleaning methods.

11. Low Temperature Flexibility: AC 39 Sec. K. 5°F. No cracking or crazing upon visual examination under 5x magnification in the bent condition.

   B) Spread of Flame Test (2 decks):

<table>
<thead>
<tr>
<th>Base (in.)</th>
<th>Length (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deck 1</td>
<td>15</td>
</tr>
<tr>
<td>Deck 2</td>
<td>15</td>
</tr>
</tbody>
</table>

Max. Flame Spread Allowed 40 72

Poly-I-Gard® 246 SF vehicular deck system will satisfactorily withstand the Flame Spread portion of the test for Class A Rating in UBC STD #32-7, ASTM E108, UL 790 and NFPA No. 256, when constructed, installed and tested as described herein.

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All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.
SECTION 1: SAFETY AND STORAGE

These guidelines cover safety and storage of Polycoat Products elastomeric coatings. **Failure to follow these guidelines can result in bodily injury or property damage.**

Polycoat Products produces three basic types of coatings. These are solvent based, 100% solids, and waterborne coatings. Each type has specific hazard potentials and storage requirements. Solvent solution coatings have hazards associated with fire, solvent toxicity and chemical toxicity. One hundred percent solids coatings have low fire risk but may require special care because of chemical toxicity. Waterborne coatings have negligible risk of fire and moderate to very low chemical toxicity. Both the contractor and workers must know the precautions necessary to protect against fire, explosive combustion and toxicity. The contractor and their employees should be familiar with the individual product labels, material safety data sheets (MSDS), product data sheets and guide specifications that describe specific hazards, content, proper use and storage recommendations.

To protect against fire, explosion and chemical toxicity it is important to provide ventilation at all times. Many coating applications are in open exterior areas where natural ventilation minimizes hazards.

Applications in confined spaces and tanks pose greater danger. Use extreme caution. Remove all ignition sources. Check atmosphere for oxygen deficiencies. Use adequate personal protective equipment. Observe precautions pertaining to confined space entry. Confined space “Entry Permit” may be required, check with OSHA, EPA and other local regulatory agencies before proceeding. When natural air movement is insufficient, as in a confined area, forced air ventilation is required. Confined areas are best ventilated by equipment that exhausts the air from near floor level, since solvent vapors are heavier than air and tend to collect in low areas. A competent, properly equipped worker must be stationed outside confined areas while work is in progress to assist in case of emergency.

FIRE AND EXPLOSION PREVENTION

Flash points are listed in material safety data sheets (MSDS) for each of Polycoat’s products containing solvent. **The worker and foreman must know the flash point for each material being applied.** The flash point is the lowest temperature at which a coating gives off sufficient solvent vapor to form an ignitable mixture with air. This mixture of solvent vapor and air can then be ignited by an outside source such as sparks, flame, lit cigarettes, etc.

When combustible vapor is mixed with air in certain proportions, ignition will produce an explosion.

Fire and explosion hazards are reduced to a minimum when solvent vapors are controlled. When work must be done in confined areas, solvent vapor concentrations should be routinely checked with OSHA approved equipment. Should vapor concentrations approach the lower limit, increase air ventilation and/or stop coating application until the vapor concentration is reduced to a safe level. Do not work in confined areas, even with ventilation and respirators, when concentrations of solvent vapors are above the lower explosive limit.

Open flame, welding, smoking or other ignition sources shall not be allowed in a building, overhead or near a building where coating is being applied or has been recently applied. Proper “No Smoking” and “Fire Hazard” signs shall be placed in the working and restricted areas.

All electrical equipment and outlets must be grounded. This includes switches, connectors, lights and motors. Lights must have a protective enclosure to prevent physical damage. Whenever solvent vapors are present, all electrical equipment must be explosion proof, complying with the National Electrical Code. It is the responsibility of the contractor to verify that these precautions are in place.

Any equipment, such as spray guns and compressed air nozzles, which can produce a static charge, must be grounded.

All hand tools used in solvent vapor areas must be of non-sparking construction. When non-compliant tools must be used, remove equipment to an area free of solvent vapor and/or exhaust solvent laden air thoroughly before beginning work.

Work clothes must be of a material such as cotton, which does not generate static charges. Beware of synthetic materials. Shoes should not have metal sole plates since these cause sparking.

Have fire extinguishers as prescribed by NFPA, the Fire Department, and/or OSHA within easy access of work areas where solvented coatings are being applied. Check with NFPA and local fire regulations for proper extinguishers.

Ventilation shall be provided to coated areas not only during application but also for sufficient time after to ensure complete evaporation of solvents.

One person must be assigned at all times the clear responsibility to look for and turn off any equipment that could cause ignition of solvent vapors. This includes pilot lights, switches, electric spark starters, and motors. Workers must lock switches to prevent accidental operation when solvent vapors are present.

Mixing of materials must be done in a well ventilated area.
TOXICITY AND HEALTH ConsIDERATIONS
Isocyanates may cause allergic skin or respiratory reactions. *Individuals with chronic respiratory problems or prior respiratory reactions to such material should not be exposed to vapors.* All personnel in the application area must wear OSHA approved air respirators where an airborne concentration of isocyanate vapors is expected to exceed the threshold limit value (TLV) or if the concentration levels are unknown. For emergencies, use a positive pressure self-contained breathing apparatus. Cartridge type respirators are not approved for protection against isocyanates because they have poor warning properties since the odor at which isocyanate can be smelled is substantially higher than the exposure limits. Use explosion-proof, suction type, ventilation equipment (exhaust fans and blowers) with sufficient cfm capacity to keep isocyanate vapors below the TLV limit.

**Caution!** Air circulation and exhaustion of isocyanate vapors must be maintained until the coatings have fully cured to ensure that no potential fire, explosion or health hazard remains. Warning symptoms (irritation of the eyes, nose and throat or odor) are not adequate to prevent chronic overexposure from inhalation. This material can produce asthmatic sensitization upon even a single inhalation or upon repeated inhalation exposures to lower concentrations. Exposure to vapors of heated isocyanates can be extremely dangerous. Employee education and training in safe handling of this material is required under OSHA Hazard Communication Standard.

Portable air sampling equipment is available to measure the content of some solvents in the air. Workers and foreman must be certain that measurements of this type are being made when people are working in an enclosed area.

When solvent vapor is present, an approved fresh air supplied, respirator with an approved source of respirable air must be used for protection. The use of a fresh air supplied respirator does not reduce the necessity for good ventilation, as this is still needed to lessen fire hazards and ensure proper drying of coatings.

Any time a worker begins to feel discomfort or irritation to the eyes, nose or throat, the concentration of solvent vapor is too high for steady exposure. If a person feels light-headed, giddy, dizzy or exhilarated, the solvent vapor concentration is too high and must be reduced by improved ventilation. **Any persons so affected must go to an area of fresh air.**

The effectiveness of ventilation depends on the physical barriers, which restrict airflow. Open exterior areas on roofs or decks ventilate normally by natural air movement. Confined areas in rooms, tanks and some pit or pond areas, as well as roofs or decks surrounded by walls or high parapets require forced air ventilation.

Solvents may cause allergic skin or respiratory reactions. Immediate effect is stupor (central nervous system depression). Individuals with chronic respiratory problems or prior respiratory reactions to such materials should not be exposed to vapors.

The application method of using an airless sprayer will cause the same volume of product to produce higher airborne vapor concentrations in a shorter period of time than other application methods. It is important that air is monitored and full precautions are taken as indicated above.

First Aid: In case of skin contact, remove contaminated clothing as needed and immediately wash off with plenty of water and mild soap for at least 15 minutes.

*If medical attention is required, have label and material safety data sheet (MSDS) available for physician.*

For industrial use by professional applicators only. Not intended for sale to the general public. Not to be sold or delivered to a minor. **Keep out of the reach of children.**

**HEALTH & SAFETY PRECAUTIONS**

The uncured components of these products can cause irritation to the eyes, skin, mucous membranes and respiratory tract, and are harmful if swallowed. Avoid contact with eyes and skin, especially open cuts. Wear protective clothing, chemical resistant rubber gloves, chemical tight goggles, protective barrier cream, etc. to prevent contact with material. Wash hands with soap and water before eating, drinking, smoking, applying cosmetics, or using the toilet facilities. Launder contaminated clothing and footwear before reuse. Air dry contaminated clothing in a well ventilated area before laundering. Discard unwashable contaminated shoes and clothing. Safety shower and eye wash stations should be available. Educate and train employees in the safe use of this product. Untrained persons must not be allowed in or around work area unsupervised and without proper safety and respiratory equipment.

Prior to beginning any project, the health and safety of building occupants and people in adjacent areas and buildings should be considered. Vapors are heavier than air and can travel considerable distances. Take care to protect these people by posting signs, sealing off buildings from infiltration of odors and fumes by turning off air intake, vacating the building or using other appropriate measures. Precautions should continue until coatings have completely cured and no residual odor remains.

**These products may contain chemicals which the State of California lists as causing cancer, birth defects, or other reproductive harm (Proposition 65).**

**OTHER SAFETY CONSIDERATIONS**

Footwear must be a safety shoe with steel toe for protection. Fifty-five gallon drums of coating are very heavy and can cause considerable damage if set on an unprotected foot. The sole should be of a soft, resilient material to give the best traction without damaging coated areas.

Use extreme caution when working on sloped areas. Use lifelines. Wet coatings are very slippery.

When working in bright sun with light colored coating, wear dark glasses to prevent glare blindness.

**PROPERTY PRECAUTIONS**

Consider possible damage to property. Overspray can ruin finishes on autos and other surfaces (brick, paint, plastic, etc.). Solvent vapors in confined areas can be harmful to plants and pets. Foods, even those stored in freezers, can pick up a solvent taste and should be protected from vapors.
STORAGE
Moisture reacts with isocyanates to produce carbon dioxide. Do not breathe the vapors. Store in tightly closed containers to prevent moisture contamination.

Keep product in a cool, dry, ventilated storage area, in closed containers and out of direct sunlight. Store in containers above ground and surrounded by dikes to contain spills or leaks.

All material should be stored in a cool, shaded place, preferably at a temperature of 65°F (18°C). Higher storage temperatures for extended periods can cause thickening and even gelation of elastomeric coatings.

When opening containers, check them first for any signs of expansion, which can occur due to pressure build up resulting from moisture reaction. Open containers carefully, pointing them away from face and body to prevent expulsion of material.

Whenever work is stopped for the day, all coatings and thinners should be stored in tightly sealed factory containers to minimize evaporation and fire hazard. Materials left on unsupervised job sites may attract the curious or the malicious. Protect your materials properly and avoid potential harm to others.

Do not keep open containers in confined places.

Protect water based emulsion coatings from freezing.

Containers, even those that have been emptied, may contain dangerous and explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them. In the event that thinners and/or solvents are used for clean up or dilution, consult the material safety data sheet (MSDS) for that particular product for additional health and safety information.

The above information is based on standard industrial practices and is meant to outline the hazards, and is not necessarily all-inclusive. Common sense and care in evaluating the possibility of hazards is essential.

Nothing contained herein should supersede local laws, codes, ordinances or regulations.

The standards and regulations published by the Occupational Safety and Health Administration (OSHA), U.S. Department of Labor, EPA and local statutory authorities, where applicable, should be consulted for further detail and compliance.

CONFINED SPACES AND TANKS
This type of application poses greater dangers. Use extreme caution. Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Remove all ignition sources. Check atmosphere for explosiveness and oxygen deficiencies. Use adequate personal protective equipment. Observe precautions pertaining to confined space entry.

Confined space "Entry Permit" may be required, check with OSHA, EPA and other local regulatory agencies before proceeding.

SECTION 2: JOB CONDITIONS

Construction work such as expansion joints, control joints, drains, ducts and other penetrations should be complete prior to the coating application.

Surfaces must be thoroughly dry to ensure adhesion of all primers and coatings. When in doubt, test for moisture with a moisture meter or 16-hour mat test (ASTM D-4263).

Dirt or dust that settles on surfaces before start of work or between coats must be removed.

Surface and ambient temperature are very important to optimize curing. Ice, frost or condensation may be present on surfaces less than 50°F (10°C). Application of some coatings can be done at lower temperatures provided the surface is free of moisture. The ideal conditions for curing are 75°F (24°C) ambient temperature and 50% relative humidity. Do not apply products when the ambient or substrate temperature is rising. See temperature limitations listed in product data sheets.

Job specifications require that surfaces be accepted by the coating applicator prior to start of work. Substrates which are not structurally sound or which do not meet the specification requirements for surface finish or condition should not be accepted. Correction of surface defects is the general contractor’s responsibility. Review of specification requirements with the general contractor before the substrate is constructed will minimize problems at the time of acceptance.

Any optional adhesion test is to be performed seven days after product application.

SURFACE PREPARATION
Concrete or plywood substrates must be free of all contamination that may impair proper bonding. Substrates must be sloped a minimum of ¼" per foot for drainage, and must be primed with the applicable primer prior to application of the membrane and surface protection materials.

Concrete: The surface of concrete substrates must be clean and free of standing water. All holes, joints and cracks must be pointed flush with portland cement mortar and all high spots cut or ground off to provide a smooth, even surface.
Before the material is applied, the substrate must be clean and free of dust or foreign material. Paint, grease and oil must be removed either by grinding or sandblasting and concrete surfaces must be shotblasted or water blasted. Control joints should be cut per standard concrete construction practices and caulked.

Concrete must exhibit 3000-psi minimum. Concrete surfaces to be coated must be trowel finished in compliance with the American Concrete Institute (except that hand troweling is not required), followed by a fine hair brooming, left free of loose particles, and shall be without ridges, projections, voids and concrete droppings that would be mechanically detrimental to coating application or function.

New and Old Concrete:
Refer to SSPC-SP13/NACE 6, or ICRI 03732: CSP 3-5. New concrete must be cured for 28 days prior to product application. Surface must be clean, dry, sound and offer sufficient profile for product adhesion. Remove all dust, dirt, oil, form release agents, curing compounds, salts, efflorescence, laitance and other foreign matter by shotblasting and/or suitable chemical means, in accordance with local chemical regulations. Rinse thoroughly, to achieve a pH between 8.0 and 11.0. Allow to dry completely. If old concrete has a surface that has deteriorated to an unacceptably rough surface, Polycoat Products PC-260 or a mixture of Polyprime 21 and sand should be used as a repair agent for cracks, spalls, bug holes and voids. Upon full cure of the repair agent, prime the entire surface intended for coating.

Concrete Surface Preparation Reference:
ASTM D4258 - Standard practice for cleaning concrete
ASTM D4259 - Standard practice for abrading concrete
ASTM D4260 - Standard practice for etching concrete
ASTM F1869 - Standard test method for measuring moisture vapor emission rate of concrete
ICRI 03732 - Concrete surface preparation

Neat cement sacking is not an acceptable surface preparation for coatings.

Plywood: Plywood should be new or cleaned and sanded. Plywood must be exterior grade plywood, having either tongue-and-groove edges and ends perpendicular to support. The plywood will be 19/32” or 21/32” thick.

Plywood should be installed with a maximum of 1/8” space between the plywood sheets and laid over joists on 16” centers. Plywood sheets must be screwed down securely or nailed with coated annular ring or screw shank nails. If the underside of the joists is covered, the floor/ceiling cavity must be vented to aid in drying and to minimize moisture buildup in the deck structure.

Damaged panels will be repaired/replaced before coating. Old plywood must be cleaned and sanded before priming with Polyprime at a rate of ½ gallon per 100 square feet prior to coating application.

The only acceptable grade of plywood is APA rated, exterior grade with exterior glue or better.

The appearance and physical characteristics of the plywood and grade should be considered.

Note: The above plywood grade is called out in compliance with the American Plywood Association’s Standard. Plywood grading which does not reference APA markings may not be a suitable grade.

No liability is assumed by Polycoat Products for defects in the substrate.

PROTECTION OF WORK
While work is underway and for 72 hours thereafter, traffic from other trades should be stopped.

Material should be stored on plywood or non-asphaltic insulation board.

Adjacent surfaces which are not to be coated, such as walls, thresholds, fascias, etc., should be carefully masked before priming and coating. Mask vertical surfaces at the line detailed in the architectural drawings or, if none is shown, mask 4” or more up from the deck. When coatings are applied by spray, caution is necessary, particularly during windy weather, to prevent overspray damage.

SECTION 3: PRIMING

Polycoat Products elastomeric coatings frequently require a primer. The preferred primer varies with the substrate as described below. Guide specifications state primer requirements. Product data sheets contain application instructions.

CONCRETE
Sealing Concrete: Most concrete has surface porosity, although it is seldom visible. This porosity develops at the time of placement from various causes including water content, drying rate, aggregate type and troweling action. When elastomeric coatings are placed over concrete, there is a risk that blisters will form from outgassing through surface pores. This risk is minimized by the use of a primer system.

Polyprime should be applied on all concrete and dense aggregate structural concrete.

Prime entire deck surface and all vertical or sloping surfaces of curbs, cants, parapets, etc., which are to receive coatings, with one coat of Polyprime applied by roller or spray. The coverage rate is about ½ gallons per 100 square feet.

Allow polyurethane primers to dry for one hour or more before applying the base coat.

Allow epoxy primers to dry until tack free before applying the base coat.

Note: Surface temperature is more important than air temperature. The normal minimum surface temperature for application is 50°F (10°C).

WOOD
Polycoat Products polyurethane coatings are self-priming when applied to new wood construction (primer is not necessary). For optimum adhesion on existing plywood, it is advisable to use Polyprime.

STEEL
Wire brush or sand steel surfaces until the metal is bright. Solvent wipe after cleaning.

Apply Polyprime at the rate of ½ gallon per 100 square feet. Primer should be permitted to dry tack free before applying subsequent coats. This ensures proper adhesion under most conditions. Never apply Polyprime to wet or moist surfaces.
Recoating Surfaces
Decks to be re-coated should be thoroughly cleaned. When the area intended for coating has completely dried and is free of dirt, dust, oil and other contaminants, apply Polyprime.

All coated surfaces require special attention. A test patch should be applied to check for bonding. If adhesion is good, the surface is smooth, and no lifting occurs, apply coating as specified. If adhesion to substrate is poor, and lifting does occur, remove old coating before new coatings are applied.

Section 4: Expansion Joints
Sealing of Cracks, Construction Joints, Substrate Changes, and Flashings
This step, which follows priming and precedes coating, is the most critical stage in the application of Polycoat Products coatings. Success or failure in application of this system depends largely on how they are treated.

Working cracks in concrete are joints or cracks which have moved or will move appreciably, in any or all of the three dimensions, due to thermal changes or vibration. A crack which extends at each end to the edge of the surface, to a building expansion joint or to another working crack may be a working crack. A crack with minute broken fragments along the edge is probably a working crack.

Concrete
To prepare expansion joints, substrate changes, cracks and flashings, apply backer rod if necessary then a polyurethane* sealant and reinforcement tape, embedded into the sealant, with a stripe coat centered over the crack. The crack must be fully sealed. Any cracks over 3/8" shall be routed to 1/8" x 1/8" prior to application of sealant and reinforcing tape.

Substrate Changes
Use caulking and reinforcement tape, with a stripe coat centered over the crack, backer rod and polyurethane* sealant as required at changes in substrate material. Reinforcement tape must be embedded into the sealant. It is also required when the substrate changes plane in a valley, or if a crack exists at other changes in plane.

Joints in Plywood
When a joint must be invisible at close range, filling voids and nail heads is necessary. Any wood-adhering, non-shrinking, firm-setting, non-staining material is satisfactory. An epoxy/100 mesh sand grout may also be used.

To prepare plywood joints, flashings and substrate changes, apply a polyurethane* sealant and reinforcement tape embedded into the sealant with a stripe coat centered over supported joints on the same plane, supported joints at changes in plane, or unsupported joints.

Defects in taping and flashing must be corrected prior to proceeding with base coats.

Section 5: Coating Application
Polycoat Products materials are one or more components, liquid applied polyurethanes*. When properly combined and applied they cure to form tough, high strength elastomeric membranes. All specified quantities are minimums and are on an undiluted basis. No allowances have been made for material waste, uneven surfaces, spillage, material applied thicker than specified, or material left in containers or equipment.

Mixing
Important: All products must be mixed according to the product data sheets prior to use.

Mix two component materials individually before combining. Stir all materials thoroughly before use. Examine both Part-A and Part-B for graininess. Partial containers should not be stored longer than one or two days as exposure to atmospheric moisture induces cure. Keep containers covered whenever possible.

For best results, power mix thoroughly for five minutes, scraping sides of container. Best results are obtained by pouring Part-B into Part-A while mixing. Polyethylene or polypropylene mixing containers are recommended, as they can be reused. Cured material is easily stripped out cleanly the following day.

If the product requires a catalyst, the best results will be obtained by pouring the catalyst into the product while mixing.

Mix only as much material as can be used within the specified pot life.

Cold Weather Application
During cold weather, special precautions must be taken in applying polyurethanes. These coatings should not be applied to surfaces 50°F (10°C) or colder. Store materials above 65°F (18°F), or warm to above 65°F (18°C) prior to use.

If graininess is observed, warm the entire contents of the can to 60°F (16°C), and mix until smooth.

Lower temperature and humidity may extend curing time.

Hot Weather Application
Product data on pot life and cure rate are provided for materials at 75°F (24°C). At temperatures above 75°F (24°C) pot life and cure time will decrease proportionately as temperature and humidity increase. Store materials out of direct sun and mix only the amount that can be applied within the pot life. Refer to product data sheets for further information.
APPLICATION OF BASECOAT

All specified quantities are on an undiluted basis. Better films are usually produced with less entrapped air when the rate of application is no more than 1½ gallons per 100 square feet. However, the recommended rate varies by product and specification.

Apply Polycoat Products polyurethane in a uniform thickness without skips or holidays. Basecoats can be squeegeed or rolled, depending on job type and size. Allow each coat to dry until tack free and sufficiently cured for foot traffic before applying additional polyurethane coating. A period less than one hour to overnight may be required depending on drying conditions and the particular product used.

For a more slip-resistant surface, uniformly broadcast a washed, dry, rounded 16 to 90 mesh silica sand into the wet topcoat at a rate at a rate of 20 lbs/100 sq.ft. or as required to achieve a slip-resistant finish. Slip resistance will vary depending on the coating thickness.

Extend each coat over cants and up vertical surfaces of pads, curbs, walls and parapets. The top of curbs and equipment pads shall be similarly coated. In the case of walls and parapets, extend coating to the point where counter flashings enter the masonry. Where no counter flashing is specified, hold the base coats just short of the termination line at the edge of the deck to avoid seeping under masking tape or spilling on adjacent unprotected surfaces.

If the entire job cannot be carried through to completion without interruption, the interruption should occur after the first coat. This will provide protection for the system.

Coated surfaces must be clean and dry before work resumes.

APPLICATION OF TOPCOAT

Inspect the surface for damage prior to the application of topcoat. Any surface damage must be repaired by replacing base coat so that a continuous membrane in substantially uniform thickness covers the entire surface prior to topcoat application.

While careful color matching procedures are used, different batches of polyurethane may vary slightly in hue. This variation will be too slight to be perceptible if changes are made at natural breaks in the surface. Intermixing of batches may be necessary or desirable to ensure consistency in topcoat color.

CAUTION

Excessively heavy applications of polyurethane can cause pigment separation during drying, resulting in a blotched color. Uniform application at the specified coverage rate is important to provide proper results.

Remove masking tape at edges of coating area as soon as the final coat of polyurethane is applied. By removing the tape while the coating is wet, it will not be necessary to cut it off and will avoid damage to the edge of the coating. Any seepage under the tape on rough surfaces can be wiped off with thinner while wet.

The following conditions must not be coated with Polycoat Products deck coating systems: on grade or below grade slabs, split slabs with buried membrane, sandwich slabs with insulation, slabs over unvented metal pan, suspended pool decks, swimming pools, magnesite or lightweight concrete, asphalt surfaces or asphalt overlays.

Floor hardeners may adversely affect the adhesion of the coating.

Polycoat Products coating systems should not be subjected to rising water tables or hydrostatic pressure on slab-on-grade applications.

If there is a question regarding a substrate, please contact a Polycoat Products representative.

* Approved Polyurethane sealants are: Polycoat Poly-Caulk PX27, Polycoats Poly-Caulk 80, Polycoat Poly-Caulk HM, Polycoat PC-260 or a two part consisting of PC-440 and PC-50.
When You Know | Multiply By | To Find | When You Know | Multiply By | To Find
---|---|---|---|---|---
Area  |  |  | Rate  |  |  
Inches² | 6.45163 | Centimeters²  | Gallons/100 ft² | 0.4075 | Liters/m²  
Centimeters² | 0.155 | Inches²  | 2.45399 | Gallons/100 ft²  
Feet² | 0.0929 | Meters²  | Pounds/ft² | 4.882 | Kilograms/m²  
Meters² | 10.76387 | Feet²  | Kilograms/m² | 0.20483 | Pounds/ft²  
Yards² | 0.83613 | Meters²  |  |  |  
Meters² | 1.19599 | Yards²  |  |  |  
Length  |  |  | Thickness  |  |  
Inches | 0.0254 | Meters  | Mil | 25.4 | Micron  
Meters | 39.37 | Inches  |  |  |  
Feet | 0.3048 | Meters  |  |  |  
Meters | 3.2808 | Feet  |  |  |  
Yards | 0.9144 | Meters  |  |  |  
Meters | 1.09361 | Yards  |  |  |  
Miles | 1.609 | Kilometers  |  |  |  
Kilometers | 0.621 | Miles  |  |  |  
Weight  |  |  | How to Calculate Mil Thickness  |  |  
Ounces | 28.35 | Grams  | Theoretical: 1 gallon of 100% solids material applied  |  |  
Grams | 0.03527 | Ounces  | over 100 sq. ft. yields 16 dry mils.  |  |  
Pounds | 0.45359 | Kilograms  | Dry Mil Thickness =  |  |  
Kilograms | 2.20462 | Pounds  | Gallons per 100 sq. ft. x 16 x % Solids by Volume  |  |  
Net Ton | 0.90719 | Metric Ton  | 100  |  |  
Metric Ton | 1.10231 | Net Ton  |  |  |  
Gross Ton | 1.01605 | Metric Ton  |  |  |  
Metric Ton | 0.98421 | Gross Ton  |  |  |  
Slope  |  |  | Sealant Estimation  |  |  
Inch/Floor | 8.33 | Slope (%)  | Linear feet per full gallon (231 cubic inch)  |  |  
Centimeters/Meter | 8.33 | Slope (%)  |  |  |  
Volume  |  |  |  |  |  
Inches³ | 0.016387 | Liters  |  |  |  
Liters | 61.023 | Inches³  |  |  |  
Feet³ | 28.316 | Liters  |  |  |  
Liters | 0.035317 | Feet³  |  |  |  
Quarts | 0.94636 | Liters  |  |  |  
Liters | 1.05668 | Quarts  |  |  |  
Gallons | 3.78543 | Liters  |  |  |  
Liters | 0.26417 | Gallons  |  |  |  
Miscellaneous  |  |  |  |  |  
Pounds per liner inch | 0.1752 | Kilonewtons/m  |  |  |  
Mega pascals | 145.038 | Lbs. per sq. in.  |  |  |  
Pounds per gallon | 119.7 | Grams per liter  |  |  |  

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish their own factors for loss from experience.
To Maintain a Limited Polycoat Products Coating Material Warranty the following is required.

GENERAL
In order to maintain the limited material warranty for Polycoat Products, the following maintenance must be performed at regular intervals to ensure that the material will provide continued service.

Care and maintenance procedures should include:
1. Physical inspection.
2. Cleaning.
3. Snow and ice removal from system (where applicable).
4. Repair of damaged surfaces.
5. Periodic replacement of topcoat.

INSPECTIONS
Inspections provide a basis for proper maintenance to ensure the life expectancy of the Polycoat Products Coating System.

Monthly - Documented¹ physical inspections to determine:
1. If there are any areas of excessive wear or physical damage to the coating system.

Semi-annually - Documented² physical inspections must include (but are not limited to):
1. Inspect all joints for proper sealant (caulking) adhesion or other type of failure or physical damage to caulking.
2. Inspect underside of the deck for evidence of leaks where possible.
3. Inspect for evidence of structural and/or stress cracking in the substrate, which could cause the coating system to crack.
4. Inspect drains and scuppers to ensure there is nothing clogging or blocking them.
5. Inspect base of parking bumpers for any damage to coating system in these areas.
6. Inspect areas of high abrasion or wear for loss of aggregate from the coating.

1 Maintain written inspection log indicating dates and time of inspections and identity of employees performing the inspection.

2 Photograph or videotape deck coating system and provide copy to Polycoat Products within twenty (20) days of inspection.

CLEANING
The frequency of cleaning the deck will vary based on its location and use.

1. Weekly - Vacuum or sweep deck to remove all loose debris and dirt.
2. Monthly - Remove oil, grease drippings, dirt, debris, black tire marks, etc. from the deck.
3. Coating may be cleaned with low suds, biodegradable detergent (rinse thoroughly so deck will not be slippery when wet.)
4. Tough stains may require power scrubbing or high pressure water blasting (not greater than 1,000 psi at nozzle.)
5. Avoid the use of strong solvents, especially any hydro-carbon type solvents.

SNOW & ICE REMOVAL
It is recognized that snow and ice can load a deck beyond its design capacity resulting in structural cracks and serious damage to the coating system. Therefore immediate removal of snow and ice is required.

The use of metal blades should be avoided at all times to prevent physical damage to the coating system.

Snow blowers and snow brooms are recommended, as opposed to heavy snow removal equipment.

Ice should be removed with chemical deicing materials.

POTTED PLANTS AND PLANTERS
Potted plants and planters on or adjacent to the deck may cause staining and discoloration to the material.

DECK COATING REPAIRS
Minor repairs may be made by the owner, it is however, recommended that to protect the Polycoat Products material warranty, repairs should be performed by the original applicator.

REPLACEMENT OF TOPCOAT
To maintain the performance of the Polycoat Coating System, it is recommended that the Topcoat be replaced periodically, depending on actual wear and tear (actual time required for recoating will depend use) by the original applicator.
The following sketches provide guidelines for the installation of Polycoat Products coating systems. These details should be used as a guideline only. Decisions on final details should be made by the applicator after evaluating site conditions, code requirements and other standards.

For detailed information on the installation of the Polycoat Products waterproofing systems, refer to the general guidelines and individual system guide specifications.
**VERTICAL PROJECTION**

- Poured in Place Sleeve
- Post Embedded in Concrete

**Polycoat Products Coating System**

**VERTICAL PROJECTION BETWEEN SLAB**

- Topping Slab
- Structural Slab
- Protection Board
- Backer Rod

**Approved Polyurethane Sealant**

**EXPANSION JOINT DETAIL**

*Greater Than 1”*

- Polycoat Products Coating System
- Approved Polyurethane Sealant
- Concrete Slab
- Expansion Joint 1” or larger
- Backer Rod

**EXPANSION JOINT DETAIL**

*Less than 1”*

- Reinforcement Tape Embedded in Approved Polyurethane Sealant
- Polycoat Products Coating System
- Structural Concrete
- Approved Polyurethane Sealant
POLYCOAT PRODUCTS
A Division of American Polymers Corp.

DRAIN DETAIL

- Polycoat Products Coating System
- Metal Drain
- Structural Slab

BETWEEN SLAB

- Wall
- Backer Rod
- Approved Polyurethane Sealant
- Topping Slab
- Protection Board
- Insulation
- Reinforced Concrete
- Elastomeric Membrane

JOINT AT WALL/SLAB

- Topcoat
- Basecoat
- Approved Polyurethane Sealant
- Primer for concrete
- Backer Rod
- Concrete Wall
- Concrete Slab

WALL BEARING ON SLAB

- Concrete Wall
- Cant Bead with Approved Sealant (1/2"-1" deep)
- Primer for concrete
- Basecoat with Straight Jacket Tape embedded into it
- Backer Rod
- Concrete Slab
- Topcoat
- Basecoat
- Polystyrene Insulation
Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.

DISCLAIMER

All guidelines, recommendations, statements, and technical data contained herein are based on information and tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. It is the users responsibility to satisfy himself, by his own information and test, to determine suitability of the product for his own intended use, application and job situation and user assumes all risk and liability resulting from his use of the product. We do not suggest or guarantee that any hazard listed herein are the only ones which may exist. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements, whether in writing or oral, other than those contained herein shall not be binding upon the manufacturer, unless in writing and signed by a corporate officer of the manufacturer. Technical and application information is provided for the purpose of establishing a general profile of the material and proper application procedures. Test performance results were obtained in a controlled environment and Polycoat Products makes no claim that these tests or any other tests, accurately represent all environments.
Not all colors are available in all products. Some Products are available in Clear. Refer to product data sheets for the color availability of the product desired.

Polycoat Products will gladly develop custom colors. Additional charges and minimum orders apply. Contact Polycoat Products for more information.

Every effort is made to reproduce these sample colors as faithfully as possible. However, due to reproduction limitations, it is necessary that we reserve the right of reasonable variation. Color may vary due to differences in surface texture, lighting and methods of application.

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DISCLAIMER & PRODUCT USE RESTRICTIONS IN AREAS COVERED BY SOUTHERN CALIFORNIA AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)

Because of VOC regulations made effective July 1, 2006, not all products manufactured by Polycoat Products are available for sale and use in the cities and areas covered by SCAQMD jurisdiction.

The following replacement products have been specially formulated to meet the above VOC limits for SCAQMD areas:

- Polyprime 172SC in place of Polyprime 172
- Polyprime 2180SC in place of Polyprime 2180
- PC-220OF in place of PC-220
- PC-440SC in place of PC-440
- Polyglaze 100SC in place of Polyglaze 100 & 100C
- Polyglaze 400SC in place of Polyglaze 400 & 400C
- Polyglaze 400SC-FR in place of Polyglaze 400-FR & 400C-FR
- Polyglaze AL-50SC in place of Polyglaze AL-50
- Polyglaze AR-OF in place of Polyglaze AR
- Poly-I-Gard® 246SC in place of Poly-I-Gard® 246
- Polycoat-Staingard 6072SC in place of Polycoat-Staingard 6072
- Polycoat-Aquaseal® 5000SC H in place of Polycoat-Aquaseal® 5000H (250VOC)
- Polycoat-Aquaseal® 5000V (100VOC) in place of Polycoat-Aquaseal® 5000V (250VOC)

The following products which do not meet the above VOC regulations for SCAQMD areas may be substituted by the product indicated below. These substituted products meet the above VOC limits for SCAQMD areas.

- PC-550 to be substituted with PC-260
- Polyprime U25 to be substituted with Polyprime U22
- Polycoat-Staingard 1110 No similar product available, use Polyglaze 100SC, Polyglaze AL-50SC or Polycoat-Staingard 6072SC