



# POLYCOAT PRODUCTS

A Division of American Polymers Corp.

## POLYCOAT-AQUASEAL® 5000

Single Component, Bitumen Modified  
Waterproofing Membrane

### DESCRIPTION

Polycoat-Aquaseal® 5000 is a single component, liquid applied, bitumen modified, coal tar free, urethane polyurea waterproofing membrane for vertical and horizontal surfaces.

### FEATURES

- ❖ Economical
- ❖ Resistant to Bacterial Growth
- ❖ VOC Compliant
- ❖ Meets the Criteria of ASTM C-836 and E-96
- ❖ User Friendly
- ❖ Labor Saving

### TYPICAL USES

- ❖ Bridges
- ❖ Planters
- ❖ Between Slabs
- ❖ Tunnels
- ❖ Basements
- ❖ Foundation Walls

### COLOR

Black

### PACKAGING

5 gallon (18.9 liter) pail  
55 gallon drum, net fill 50 gallons (189 liters)

### MIXING

Polycoat-Aquaseal® 5000 should be thoroughly mixed using a mechanical mixer at slow speed to ensure a homogeneous material. Take care not to allow entrapment of air into the material.

### JOINTS, CRACKS, AND FLASHING

Apply Polycoat-Aquaseal® 5000 over all primed joints and cracks. Bridge the joints and cracks with 3 inch (7.6 cm) Polyester Tape, pushing it into the sealant with a trowel. Over reinforcement tape apply a thin coat of Polycoat-Aquaseal® 5000 and smooth onto adjacent surface.

### APPLICATION

Polycoat-Aquaseal® 5000 may be applied directly with a brush, squeegee, trowel or phenolic core roller. Apply Polycoat-Aquaseal® 5000 evenly over the primed surface.

Primer is optional on plywood and CMU.

### CURING

For multiple coat applications, allow coating to cure at for a minimum of 16 and a maximum of 48 hours (curing is a function of ambient temperature and humidity) before proceeding to subsequent coats. If more than 48 hours pass between coats the surface must be re-primed.

Polycoat-Aquaseal® 5000 is very sensitive to heat and moisture. Higher temperatures and/or high humidity will accelerate the cure time. Use caution in thickness of application. Limit single coat thickness to 30-40 wet mils.

### EQUIPMENT CLEANUP

Equipment should be cleaned with an environmentally safe

#### TECHNICAL DATA, Polycoat-Aquaseal® 5000 Vertical

Hardness, ASTM D-2240 .....	40 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624 .....	70 ± 10 pli
	12.3 ± 1.8 kNm
Tensile Strength, ASTM D-412 .....	500 ± 50 psi
	3.45 ± 0.3 MPa
Ultimate Elongation, ASTM D-412 .....	500 ± 50%
Specific Gravity .....	1.21
Total Solids by Weight, ASTM D-2369 .....	84 ± 3%
Total Solids by Volume, ASTM D-2697 .....	76 ± 3%
Viscosity, at 80°F (27°C) .....	Pasty
Service Temperature .....	-25°F to 200°F
	-31.7°C to 93.3°C

#### TECHNICAL DATA, Polycoat-Aquaseal® 5000 Horizontal

Hardness, ASTM D-2240 .....	55 ± 5 Shore A
Tear Resistance, Die C, ASTM D-624 .....	120 ± 20 pli
	21 ± 3.5 kNm
Tensile Strength, ASTM D-412 .....	500 ± 50 psi
	3.45 ± 0.3 MPa
Ultimate Elongation, ASTM D-412 .....	500 ± 50%
Specific Gravity .....	1.21
Total Solids by Weight, ASTM D-236 .....	85 ± 3%
Total Solids by Volume, ASTM D-2697 .....	76 ± 3%
Viscosity, at 80°F (27°C) .....	4500±2000 cps
Service Temperature .....	-25°F to 200°F
	-31.7°C to 93.3°C

Meets the Criteria of ASTM C-836  
Meets the Criteria of ASTM E-96

solvent, as permitted under local regulations, immediately after use.

### STORAGE

Polycoat-Aquaseal® 5000 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.

Not UV stable.

Cannot withstand direct wear or abrasion.

Containers that have been opened must as soon as possible.

Do not dilute under any circumstance.

### WARNING

This product contains Aromatic Hydrocarbons, Isocyanates and Solvent.

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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 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, 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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