DESCRIPTION
Polyeuro® 5502 is a fast set, rapid curing, 100% solids, flexible, aromatic, two component spray polyurea that can be applied to suitably prepared concrete and metal surfaces. Its extremely fast gel time makes it suitable for applications down to -20°F. It may be applied in single or multiple applications without appreciable sagging and is relatively insensitive to moisture and temperature allowing application in most temperatures.

FEATURES
- Zero VOC (100% Solids)
- Excellent Thermal Stability
- No Toxic Vapors
- Meets USDA Criteria
- Low Temperature Flexibility
- Good Chemical Resistance
- Coats Carbon or Mild Steel Metals without Primer
- Installed With or Without Reinforcement in Transitional Areas
- Zero VOC (100% Solids)
- Seamless
- Excellent Thermal Stability
- Odorless
- No Toxic Vapors
- Non-Reactive

TYPICAL USES
- Airports
- Refineries
- Fertilizer Plants
- Mining Operations
- Food Processing Plants
- Marine Environments
- Secondary Containment
- Walkways and Balconies
- Water and Waste Water Treatment
- Industrial and Manufacturing Facilities

COLORS
Neutral. Custom colors are available upon request.

Due to its aromatic composition, Polyeuro® 5502 will tend to yellow or darken in color and will become flat after exposure to UV light. Polyeuro® 5502 may be topcoated with an aliphatic polyurethane/polyurea coating for a colorfast finish.

PACKAGING
10 gallon kit: One 5 gallon pail of Part-A and one 5 gallon pail of Part-B.

100 gallon kit: One 50 gallon drum of Part-A and one 50 gallon drum of Part-B.

COVERAGE
Polyeuro® 5502 may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sq. ft.

TECHNICAL DATA
- Mix Ratio by Volume: 1A : 1B
- Pot Life: 2-4 seconds
- Tack Free Time: 60-120 secs
- Recoat Time: 0-12 hours
- Viscosity at 150-160°F (66.5-71°C), Brookfield:
  - Part-A: 50 ± 20 cps
  - Part-B: 50 ± 20 cps
- Density (Side A & B Combined): 8.75 lbs/gal
- Flash Point: >200°F
- Hardness, ASTM D-2240: 50 ± 5 D
- Tensile, ASTM D-412*: 3000 ± 200 psi
- Elongation, ASTM D-412*: 425% ± 20%
- Tear, ASTM D-412*: 450 ± 50 pli
- Service Temperature: -40°F to 250°F
- Water Vapor Permeability, ASTM E-96: 0.00042

(*These physical properties from sample sprayed with Graco Foam Cat 200 @ 2000 psi minimum, with Gusmer GX7-400 mechanical purge gun @ 150-160°F. Different machine and parameter will change these properties. User should perform their own independent testing as properties are approximate.)

SURFACE PREPARATION
Refer to general guidelines for complete information.

MIXING
Polyeuro® 5502 may not be diluted under any circumstances. Use appropriate solvent for solvent purge line and flushing of equipment and if spraying stops for periods exceeding the potlife of the material. Thoroughly mix Polyeuro® 5502 Part-B Base material with air driven power equipment until a homogeneous mixture and color is obtained.

APPLICATION
Polyeuro® 5502 should be applied using a 1:1 plural component equipment capable of developing a minimum of 2000 psi and heating the individual component to 170°F using an impigment gun. Hose temperature should be maintained at 160-170°F. The Polyeuro® 5502 material should be preheated to 75-85°F.

Polyeuro® 5502 should be sprayed in multidirectional passes for a proper uniform thickness.

EQUIPMENT CLEAN UP
Equipment should be cleaned with an environmentally safe, urethane-grade solvent (alcohol free) as permitted under local regulations immediately after use.

STORAGE
Polyeuro® 5502 has a shelf life of one (1) year from date of manufacture in factory sealed containers.

Part-A and Part-B drums must be stored above 60°F.

Avoid freezing temperatures.
Store drums on wooden pallets to avoid direct contact with the ground.

If stored for a long period of time, rotate Part-A and Part-B drums regularly.

LIMITATIONS
Do not open until ready to use.

WARNING
This product contains Isocyanates and Curative Material.