Product Description
Polyeuro® 7502 is a fast setting, rapid curing, 100% solids, flexible, aliphatic, two component spray polyurea with excellent color retention. It can be applied to suitably prepared inter or exterior concrete and metal surfaces. It has extremely fast gel time making it suitable for applications down to -20°F (-28.89°C). 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. Polyeuro® 7502 offers a tack free time of less than two seconds and exhibits 220% elongation upon curing with 50 Shore D hardness.

Features
- Zero VOC (100% Solids)
- Seamless
- Excellent Thermal Stability
- Elastomeric
- Low Temperature Flexibility
- Odorless
- Good Chemical Resistance
- Meets USDA Criteria
- Coats Carbon or Mild Steel Metals Without Primer
- Installed With or Without Reinforcement in Transitional Areas

Typical Uses
- Airports
- Refineries
- Fertilizer Plants
- Mining Operations
- Marine Environments
- Food Processing Plants
- Secondary Containment
- Walkways and Balconies
- Water and Wastewater Treatment Plants
- Industrial and Manufacturing Facilities

Packaging
- 10-gallon kit
  - 5 gallons (18.9 liters) Side-A (Isocyanate side) and 5 gallons (18.9 liters) Side-B (Resin side)
- 100-gallons kit
  - 50 gallons (189 liters) Side-A (Isocyanate side) and 50 gallons (189 liters) Side-B (Resin side)

Technical Data (Based on Draw Down Film)
- Mix Ratio by Volume: 1A : 1B
- Pot Life @ 75°F (24°C), 50% R.H.: 4-8 Seconds
- Tack Free Time (thickness & substrate temperature dependent): 6-120 seconds
- Recoat Time: 0-6 hours
- Viscosity at 150-160°F (66.5-71°C)
  - Side-A: 120 ± 20 cps
  - Side-B: 40 ± 20 cps
- Density (Side A & B Combined): 8.50 lbs/gal
- Flash Point: > 200°F (93.3°C)
- Hardness, ASTM D-2240: 50 ± 5 Shore D
- Tensile Strength, ASTM D-412*: 3300 ± 300 psi, 24.1 ± 1.4 MPa
- Elongation, ASTM D-412*: 300 ± 50%
- Tear Resistance, ASTM D-412*: 400 ± 50 pli, 70.1 ± 3.5 kN/m
- Service Temperature - Dry
  - -40°F to 250°F (-40°C to 121°C)
- Service Temperature - Wet
  - 40°F to 120°F (4.44°C to 48.89°C)
- Water Vapor Permeability, ASTM E-96: 0.361 perm-inch
- Volatile Organic Compounds, (Side-A & B combined) ASTM D-2369-81: 0 lbs/gal, 0 gm/liter
- Recommended Applied Thickness: > 2 mm
- Return to Service: Foot Traffic: 2 - 4 hours
- Return to Service: Full Service: > 24 hours
- Taber Abrasion Resistance, ASTM D4060 (CS17 wheel, 1000 cycles, 1 kg load) (maximum): 33mg loss
- Water Absorption, ASTM D471 (maximum 74°F or 23°C, 24 hours): < 0.5%
- Crack Bridging, ASTM C886 (-13°F or -25°C, 1.6mm crack, 25 cycles): Pass
- Impact Resistance @ 77°F or 25°C (ASTM G14): > 200 lbs
- Pull-Off Strength (minimum), ASTM D4541: Inter-Coat Adhesion (within recoat time)
- Concrete (Shot blasted profile), substrate failure occurred: >500 psi (3.4MPa)
- Concrete (Primed), substrate failure occurred: >500 psi (3.4MPa)
- Steel (90 um blast profile): >900 psi (6.2MPa)
- Lineal Shrinkage: 1 - 2%
- Flexibility (1/8” 3mm Mendrel Bend Test), ASTM D1727: Pass
- Resistance to Weathering, ASTM G-23
  - Type QUV Weatherometer-3000 hrs exposure: No cracking or blistering. Color change, gloss reduction & chalking are noted.

(*These physical properties from sample sprayed with Graco Foam Cat 200 @ 2000 psi minimum, with Gusmer GX7-400 mechanical purge gun @ 150-160°F (65°C to 71°C) blistering. Color change, gloss reduction & chalking are noted. Different machine and parameter will change these properties. User should perform their own independent testing as properties are approximate).
any bare metal the same day as it is cleaned to minimize any surface profile is 2-3 mils. Prime and shoot Polyeuro® on to remove all oil, grease, weld spatters and round off any sharp edges. Clean and degrease any contaminated surfaces before priming. Do not blast galvanized surfaces with an abrasive grit. An adhesion test is recommended prior to starting the project.

FIBERGLASS REINFORCED PLASTIC
The gel coat should be lightly blasted or sanded with 80 grit sandpaper and cleaned.

PLASTIC FOAMS
Enhanced adhesion is obtained when the foam is mechanically abraded. When coating polystyrene, do not use a solvent-based primer.

TEXTILES, CANVAS, FABRICS
Adhesion to most fabrics, geothermal membranes and textiles does not require a primer.

STAINLESS STEEL
Stainless steel may be grit blasted and degreased before priming. Some stainless steel alloys are so inert that it is not possible to achieve a satisfactory bond. An adhesion test is recommended prior to starting the project.

NEW AND OLD CAST IRON
Blast with a steel grit and degrease before priming. Old cast iron is difficult to prepare for a satisfactory bond. It can absorb oil and water soluble contaminants that will keep returning to the surface after the coating system has been applied and affect the coating system adhesion. An adhesion test is recommended prior to starting the project.

ALL OTHER SURFACES
An adhesion test is recommended prior to starting the project.

Mixing
Polyeuro® 7502 may NOT be diluted under any circumstances. Thoroughly mix Polyeuro® 7502 Side-B (Resin side) with air driven power equipment until a homogeneous mixture and color is achieved.

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. Polyeuro® 7502 should be applied using a plural component, heated, high pressure 1:1 spray mixing equipment like Graco’s Reactor, Glass Craft or other equivalent machine may be used. Both Side-A and Side-B materials should be sprayed at a minimum of 2000 psi and at temperatures above 150°F (66°C). Adequate pressure and temperature should be maintained at all times. Polyeuro® 7502 should be sprayed in smooth, multidirectional passes to improve uniform thickness and appearance.

Storage
Polyeuro® 7502 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).
and Side-B drums are recommended to be stored above 60°F (15°C). Avoid 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 device during use.

**Warning**

This product contains Isocyanates and Curative Material.
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