



Product Description

Polyeuro® MPL 80 is a two component, 1:1, 100% solids, fast set, liquid applied, modified polyurea liner system for metal, concrete, fiberglass and wood surfaces..

FEATURES

- » Seamless
- » Tough and Elastomeric
- » High Build
- » Quick Drying
- » Low Shrinkage
- » Chemical Resistance
- » Low Temperature Flexibility
- » Abrasion and Impact Resistant

TYPICAL USES

- » Waterproof Decking
- » Truck Bed Surfaces
- » Utility Vehicles
- » Cargo liners
- » Boat Linings
- » Cargo Holds
- » Horse Trailers
- » Industrial Floors
- » Walkways
- » Containment Areas
- » Encapsulation of Fiberglass Bodies and Polystyrene Foams

Colors

Neutral, Grey, Black. Custom colors are available upon request.

Mixing

Polyeuro MPL 80 may not be diluted under any circumstances. Thoroughly mix Polyeuro MPL 80 Side-B Base material with air driven power equipment until a homogeneous mixture and color is obtained.

Side-B base material must be thoroughly agitated until a homogenous mixture is obtained. Do not allow air to be incorporated into the product. Total suspension must be achieved. Side-A Isocyanate requires no mixing

Coverage

Polyeuro MPL 80 may be applied at any rate to achieve desired thickness. Theoretical coverage per gallon is 1600 sq. ft. at 1 mil.

Surface Preparation

In general, coating performance and adhesion are directly proportional to surface preparation. All surfaces must be free of oil, grease, dirt and other contaminants.

PICK-UP TRUCK:

Sanding and scuffing of the original paint finish is required to obtain a permanent bond of the spray-on liner to the pick-up truck bed.

After the vehicle is masked with paper and the surface has been thoroughly cleaned, sand the surface using 40 grit sanding discs on an autobody disc arbor.

In areas which cannot be accessed by power tools, surface preparation can be completed by hand using 80 or 100 grit

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

Mix Ratio by Volume	1A : 1B
Pot Life @ 150°F (65.5°C), 50% R.H.	3-5-Seconds
Tack Free Time (150 mils thickness)	20-40 Seconds
Recoat Time	0 - 12 hours
Viscosity at 150-160°F (65.5-71°C)	
Side-A	120 ± 20 cps
Side-B	60 ± 20 cps
Density (Side A & B Combined)	9.0 lbs/gal
Flash Point	> 200°F (93.3°C)
Hardness, ASTM D-2240	80 ± 5 Shore A
Tensile Strength, ASTM D-412*	2000 ± 300 psi 13.79 ± 2.07 MPa
Elongation, ASTM D-412*	300% ± 25%
Tear Resistance, ASTM D-412*	300 ± 40 pli 52.45 ± 7 kNm
Service Temperature (Dry)	-20°F to 250°F

(*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.)

PACKAGING

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

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

sandpaper or a coarse scuffing pad such as Scotchbrite.

Take care that all edges at tape lines are well scuffed and sanded.

After sanding and scuffing the surface must be clean and dust free.

CONCRETE:

Remove all contaminants such as oil, grease, dirt, form oil residue, wax, laitance or any other chemical product prior to proceeding with surface preparation. The surface should be free of voids, pot holes or bug holes, loose or weak concrete and the necessary surface profile must be achieved and have open textured surface by blast cleaning or equivalent mechanical means as listed below to ensure proper adhesion and good surface appearance.

Abrasive blast using brush blast technique or better to achieve a desired surface texture (CSP 4-5 per ICRI Guidelines).

Vacuum to remove dust, etc., prior to application of primer.

Use fiberglass (C-Veil Glass) or a geotextile cloth to bridge cracks over the primed surface.

Primer is always recommended to take care of voids, pot



holes or bug holes etc.

Application

Both Side-A and Side-B materials should be preconditioned at 75-80°F before application.

Polyeuro MPL 80 should be applied using a plural component, heated, high pressure 1:1 spray mixing equipment like Graco's Hydra Cat, Gusmer or other equivalent machine may be used.

Both Side-A and Side-B materials should be sprayed at temperatures above 150°F. Adequate pressure and temperature should be maintained at all times.

Storage

Polyeuro MPL 80 has a shelf life of twelve (12) months from date of manufacture in original, factory sealed containers.

Avoid exposure to freezing temperatures for an extended period of time.

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

Due to its aromatic composition, Polyeuro MPL 80 will tend to yellow or darken in color after exposure to UV light. Polyeuro MPL 80 may be topcoated with an aliphatic polyurethane coating, such as Polycoat's Polyglaze 100, AL-50, or Staingard 7000 polyaspartic, for a color-fast glossy finish.

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.

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. © 2018 Polycoat Products. All rights reserved. **REV-11-2018**