



**Product Description**

Polyeuro® MPL-90 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
- Chemical Resistance
- Low Temperature Flexibility
- Abrasion and Impact Resistant

**Typical Uses**

- Cargo liners
- Boat Linings
- Horse Trailers
- Walkways
- Waterproof Decking
- Encapsulation of Fiberglass Bodies and Polystyrene Foams

**Packaging**

- 10-gallon kit**      5 gallons (18.9 liters) Side-A and 5 gallons (18.9 liters) Side-B
- 100-gallon kit**    50 gallons (189 liters) Side-A and 50 gallons (189 liters) Side-B

**Colors**

Neutral or Black. Custom colors are available upon request.

**Mixing**

Polyeuro® MPL-90 may not be diluted under any circumstances. Thoroughly mix Polyeuro® MPL-90 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-90 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.

**CONCRETE:**

Remove all contaminants such as oil, grease, dirt, form oil residue, wax 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

**Technical Data**

<b>Mix Ratio by Volume</b>	1A : 1B
<b>Pot Life</b>	2-4-Seconds
<b>Tack Free Time (150 mils thickness)</b>	20-30 Seconds
<b>Recoat Time</b>	0 - 6 hours
<b>Viscosity at 150-160°F (66.5-71°C) Brookfield</b>	
<b>Side-A</b>	120 ± 30 cps
<b>Side-B</b>	100 ± 30 cps
<b>Density (Side A &amp; B Combined)</b>	9.1 lbs/gal
<b>Flash Point</b>	> 200°F (93.3°C)
<b>Hardness, ASTM D2240</b>	90 ± 5 Shore A
<b>Tensile Strength, ASTM D412*</b>	4500 ± 500 psi 30.6 ± 3.4 MPa
<b>Elongation, ASTM D412*</b>	325% ± 50%
<b>Tear Strength, ASTM D624*</b>	300 ± 50 pli 52.45 ± 7 kNm
<b>Service Temperature</b>	-20°F to 250°F

NOTE: Above physicals are from lab drawn film. Actual spray physicals may vary.

necessary surface profile must be achieved as listed below to ensure proper adhesion and good surface appearance.

Abrasive blast using brush blast technique or better to achieve 1.5-3 mil anchor profile.

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-90 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 with pressure between 2200-2500 psi and at temperatures above 150°F at all times.

**Storage**

Polyeuro® MPL-90 has a shelf life of one (1) year 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-90 will tend to yellow or darken in color after exposure to UV light. Polyeuro®



MPL-90 may be topcoated with MPL Topcoat an aliphatic polyurethane coating 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.**

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