



Product Description

Polyeuro® MPL 85 Aluminum 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
- » High Build
- » Quick Drying
- » Tough and Elastomeric
- » Chemical Resistance
- » Low Temperature Flexibility
- » Abrasion and Impact Resistant

TYPICAL USES

- » Waterproofing for Urethane Foam Roofing
- » Secondary Containment Coating-provides a chemical Resistant Membrane Over Concrete and Steel in Approved Tank Farms
- » Chemical Resistance for Styrofoam Flotation
- » Abrasion Resistance Over Wood, Metal and Concrete.
- » Water and Chemical Resistance for Concrete Block and Poured Walls

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.

Colors

Aluminum

Due to its aromatic composition, Polyeuro® MPL 85 Aluminum will tend to yellow or darken in color and will become flat after exposure to UV light. Polyeuro® MPL 85 Aluminum may be topcoated within twelve hours of application with an ali-phatic polyurethane/polyurea coating for a colorfast finish.

Coverage

Polyeuro® MPL 85 Aluminum may be applied at any rate to achieve desired thickness. Theoretical coverage for 1 mil thickness is one gallon per 1600 sq. ft.

Mixing

Polyeuro® MPL 85 Aluminum may not be diluted under any circumstances. Thoroughly mix Polyeuro® MPL 85 Aluminum Part-B (Resin side) with air driven power equipment until a homogeneous mixture and color is obtained.

Surface Preparation

In general, coating performance and adhesion are directly proportional to surface preparation. Most failures in the performance of surface coatings can be attributed to poor surface preparation. Polyurea coatings rely on the structural strength of the substrate to which they are applied. All surfaces must be free of dust, dirt, oil, grease, rust, corrosion and other contaminants. When coating substrates previously used, it is important to consider the possibility of substrate absorption,

TECHNICAL DATA (BASED ON DRAW DOWN FILM)

Mix Ratio by Volume	1A : 1B
Pot Life @ 150-160°F	3 - 5 seconds
Tack Free Time (150 mils)	20 -40 seconds
Recoat Time	0 - 12 hours
Viscosity at 77-80°F (25°C), Brookfield	
Side-A	600 ± 100 cps
Side-B	750 ± 100 cps
Density (Side A & B Combined)	9.22 lbs/gal
Flash Point	> 200°F (93.3°C)
Hardness, ASTM D-2240	85 ± 5 Shore A
Tensile Strength, ASTM D-412*	1700 ± 200 psi 11.71 ± 1.37 MPa
Elongation, ASTM D-412*	45 ± 20%
Tear, ASTM D-624*	225 ± 25 pli 39.35 ± 4.4 kNm
Service Temperature	-40°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.)

which may affect the adhesion of the coating system, regardless of the surface preparation. Polycoat recognizes the potential for unique substrates from one project to another. The following information is for general reference, and for project-specific questions, contact Polycoat.

Application

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

Recommended surface temperature must be at least 5°F above the dew point.

Polyeuro® MPL 85 Aluminum 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 Part-A and Part-B materials should be sprayed at a minimum of 2000 psi and at temperatures above 150°F. Adequate pressure and temperature should be maintained at all times.

Polyeuro® MPL 85 Aluminum should be sprayed in smooth, multidirectional passes to improve uniform thickness and appearance.

Storage


Polyeuro® MPL 85 Aluminum has a shelf life of six (6) months from date of manufacture, in factory-sealed containers.

Part-A and Part-B drums are recommended to 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.

Both Part-A and Part-B containers must be fitted with a desiccant device during use.

WARNING

This product contains Isocyanates and Curative Material.

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