

Edge

Updated: Jul 2010

Polyglass Edge topcoat is a polyurethane coating for protecting all surfaces. Polyglass Edge is a more economical coating solution with a quick dry time for improved throughput.

Product Features

- ◆ Fast Dry
- ◆ High gloss and color retention
- ◆ Outstanding resistance to chemicals, abrasion & impact
- ◆ Color matching service available

Theoretical Solids Content:

Volume: 46%

Shelf Life*

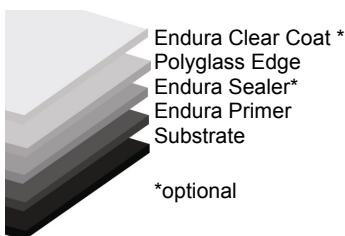
Component A: (3) years
Component B: (1) year

*For unopened product.

Pot Life of Mixed Product:

1-3 Hours* @ 77°F (25°C) and 50% RH

* Endura Super Catalyst II cannot be used with this product.



Suitability

Polyglass Edge is an industrial coating for protecting all surfaces. It provides maximum protection in all environments.



Surface Preparation

Can be directly applied to all surfaces that have been: degreased, sanded with 240 - 280 grit sandpaper, and prepared with appropriate Endura products.



Mixing Ratio

3 parts by volume component A
1 part by volume component B [FUB0300]

No induction time required. The recommended temperature when mixed is 20-25°C (68-77°F)

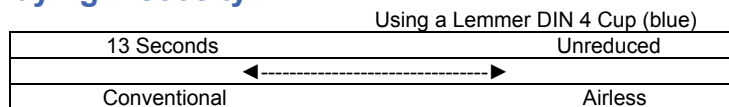
Environmental Conditions

For optimum coating performance product, substrate and ambient temperature should be between 20°C-25°C* (68°F-77°F). To prevent condensation during application the surface temperature must be 3°C (5°F) or more above the dew point at all times.

*for use outside this range please contact your sales representative.



Spraying Viscosity



If required, recommended spraying viscosity is achieved by reducing with Endura HAPS free/low VOC thinner.



Spray Gun Setup

Feed Type	Fluid Tip	Application Pressures (heal of gun)	Fluid Delivery
Siphon Feed	1.6-1.8 mm	40-50 psi	
Gravity Feed	1.3-1.4 mm	30-40 psi	
Pressure Feed	1.0-1.8 mm	50-60 psi	10-14 oz/min
Air Assist Airless	9-17 Thou	1,000-1,800 psi	
Airless	11-13 Thou	1,700-3,000 psi	

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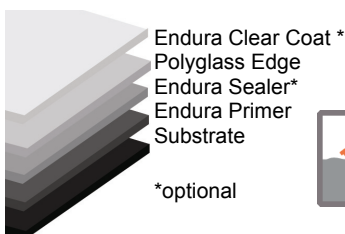
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Application Method

Apply one or two single wet coats with 30 minutes between coats. On high solids primers and other absorbent solvent substrates, use greater care in achieving the required film build thickness. It is recommended that a thinner first layer be applied at 1.0 - 1.5 mils (25 - 37 microns). Allow 30 - 45 minutes between coats.

Recommended Film Build Thickness and Cover Rate

Polyglass Edge topcoat has a recommended film build thickness of 3.0 -5.5 mils (75 - 125 microns) wet and 1.5 – 2.5 mils (37.5 – 62.5 microns) dry.

Theoretical coverage at 1.0 mil (25 microns) DFT: 736 ft² per gallon @ 100% transfer efficiency.

Drying Time*

Recoats or clear coating may be applied after 1-3 hours*. After 16 hours, to achieve intercoat adhesion, sand with 400 - 600 grit sandpaper.

	20°C (68°F)	30°C (86°F)	40°C (104°F)
Dust Free	30 Minutes	20 minutes	10 Minutes
Full Cure	7 Days	5-6 Days	3-4 Days

* Subject to ambient conditions (temperature and humidity) and good airflow. For improved scheduling please contact your Endura representative.

Specifications

Hardness	ASTM D3363	2H
Solvent resistance	ASTM D4752	100 MEK rubs; NO Failure
Abrasion resistance (1000 cycles CS-17)	ASTM D4060	40 mg loss
Impact resistance	ASTM D2794	40 in. lbs: NO failure
Flexibility	ASTM D522	1/8 mandrel bend; NO failure
VOC	For VOC amounts please refer to the product MSDS	

Note

Polyglass Edge is only available in SOLID colors.
(Not available as a clear coat or in any pearl or metallic formulations)

Clean Up

Endura high strength gun wash, Endura epoxy reducer or Endura EX-2C thinner.