

Express

Endura Express is a two-component high solids polyurethane coating that is used as a top coat over primer. It will provide excellent gloss, hardness, adhesion and flexibility over a wide range of surfaces.

Product Features

- ◆ Excellent gloss and color retention
- ◆ Cures quickly to improve productivity
- ◆ Low temperature application - Down to 35°F (2°C)
- ◆ High-film build in one coat

Theoretical Solids Content:

Volume: 59.5% ± 7.5%
Depending on color

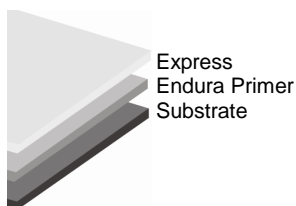
Shelf Life*

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

*For unopened product.

Pot Life of Mixed Product:

40-120 Minutes @ 77°F (25°C) and 50% RH



Suitability

Endura Express Polyurethane coating is a high performance coating for protecting most surfaces. It provides maximum protection in all environments.



Surface Preparation

The coating can be directly applied to most surfaces that have been, sand blasted, sanded with 240-280 grit sandpaper, and prepared with appropriate Endura products.



Mixing Ratio

2 parts by volume of part A
1 part by volume of part B [FUB0054]

The recommended temperature when mixed is 20-25°C (68-77°F).

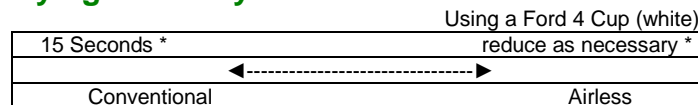
Environmental Conditions

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 Endura representative.



Spraying Viscosity*



* Spraying viscosity and thinning will depend on ambient conditions, spray equipment used, and on the desired surface finish. 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 (heel of gun)	Fluid Delivery
Siphon Feed	1.6-2.0 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 Assisted Airless	9-13 Thou	1,000-1,800 psi	
Airless	11-13 Thou	1,700-3,000 psi	

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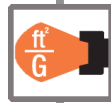
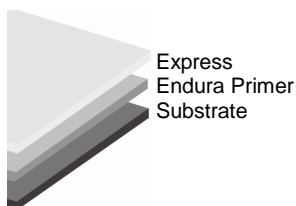
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Recommended Film Build Thickness and Cover Rate

Endura Express coating has a recommended film build thickness of 3-4.5 mils wet or 2-3 mils dry for use as a top coat over primer

Wet (unreduced): 3.0 – 4.5 mils wet (75 – 112.5 microns)

Dry: 2.0 – 3.0 mils dry (50 – 75 microns)

Theoretical coverage at 1.0 mil (25 microns) DFT: 952 ft² per gallon @ 100% transfer efficiency.



Drying Time*

Recoats may be applied after 2 hours, after 72 hours sand with 400-600 grit sand paper, to achieve inter-coat adhesion.

	20°C (68°F)	30°C (86°F)	40°C (104°F)
Dust Free	2 Hours	1 Hour	30 Minutes
Full Cure	7-9 Days	5-6 Days	3-4 Days

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

Specifications

Hardness	ASTM D3363	H
QUV-A 1000 hrs	ASTM D4587	>90% gloss retention
Impact resistance	ASTM D2794	100 in.lbs; NO failure
Flexibility	ASTM D522	1/8" mandrel bend; NO failure
Gloss	ASTM D523	90+
VOC	For VOC amounts please refer to the product MSDS	



Clean Up

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

Note

Many colors are available; please contact Endura manufacturing Co. Ltd. for more information.