

Endura DuraCoat is an epoxy modified polyurethane top coat designed to provide extra protection against Hydrochloric acid and Sulfuric acid. It is suitable for use in many harsh chemical environments, providing extra protection against acids and acid rain. UV light absorbers provide exceptional ultraviolet light protection and increase the service life of all colors.

### Product Features

- ◆ High gloss
- ◆ Outstanding resistance to chemicals, abrasion & impact, offering maximum protection
- ◆ Exceptional ultraviolet light protection

### Theoretical Solids Content:

Volume: 50%

### Shelf Life\*

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

\*For unopened product.

### Pot Life of Mixed Product:

3-6 Hours\* @ 77°F (25°C) and 50% RH

\* Less when Endura Super Catalyst II is used.



### Suitability

Endura DuraCoat is suitable for protecting most finished surfaces including clear and solid colors.



### Surface Preparation

Ensure that surfaces to be coated are free of flaws, surface contaminants and other imperfections. If the surface has been allowed to cure longer than 24 hours, sanding will be required to achieve intercoat adhesion. Sand topcoat lightly with 600 grit sandpaper or 3M White Scuff Pads.



### Mixing Ratio

2 part by volume of component A [FUA0207] Clear  
1 part by volume of component B [FUB0083]

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

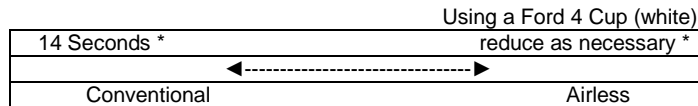
### Environmental Conditions

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

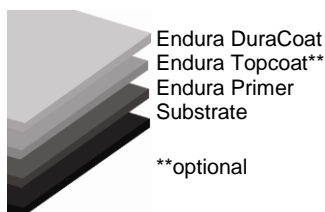


\* Spraying viscosity and thinning will depend on ambient conditions, spray equipment used, and on the desired surface finish.



### Spray Gun Setup

Feed Type	Fluid Tip	Application Pressures ( heel 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	9-13 Thou	1,000-1,800 psi	
Airless	11-13 Thou	1,700-3,000 psi	



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Endura DuraCoat  
Endura Topcoat\*\*  
Endura Primer  
Substrate

\*\*optional

### Application Method

DuraCoat can be applied as soon as the surface has cured enough to wipe with a tack cloth. Apply two wet coats with 20-60 minutes between coats. Drying time can be reduced with Endura Super Catalyst II.

Refer to the Super Catalyst II Data sheet.

### Recommended Film Build Thickness and Cover Rate

Endura DuraCoat has a recommended film build thickness of:

Wet (unreduced): 4.0 – 12.0 mils wet (100 – 300 microns)

**Dry: 2.0 – 6.0 mils dry (50 – 150 microns)**

Theoretical coverage at 1.0 mil (25 microns) DFT: 800 ft<sup>2</sup> per gallon @ 100% transfer efficiency.

### Drying Time\*

Allow 30 minutes between coats. After 24 hours sand with 600 grit sandpaper or 3M White Scuff Pads to achieve intercoat adhesion.

\* Please note that the use of Super Catalyst II with Endura topcoats will accelerate drying times.

	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) and good airflow. For improved scheduling please contact your Endura representative.

### Specifications

Hardness	ASTM D3363	4H
Solvent resistance	ASTM D4752	100 MEK rubs; NO Failure
Abrasion resistance (1000 cycles CS-17)	ASTM D4060	60 mg loss
Impact resistance	ASTM D2794	70 in. lbs: NO failure
Flexibility	ASTM D522	1/8 mandrel bend; NO failure
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.