



UltraFlex Low VOC Color

Endura UltraFlex Low VOC colour is an elastomeric, high performance polyurethane coating for protecting all surfaces. High gloss, color retention and outstanding resistance to chemicals and impact, provides maximum protection.

Product Features

- ◆ High gloss
- ◆ Excellent chemical resistance
- ◆ Easy to clean
- ◆ Adds extra protection against mechanical damage
- ◆ **VOC Compliant**

Theoretical Solids Content:

Volume: 47.5% ±1.5%
Depending on colour

Shelf Life*

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

*For unopened product.

Pot Life of Mixed Product:

8-10 Hours* @ 77°F (25°C) and 50% RH

* Less when Endura Super Catalyst II is used.



Suitability

Endura UltraFlex Low VOC colour is a highly flexible enhanced elastomeric performance coating for protecting all surfaces. It provides outstanding protection in most environments.

Endura UltraFlex Low VOC Colour is formulated to exceed the Canadian Automotive refinishing guidelines for VOC levels in colour coats.



Surface Preparation

Endura UltraFlex Low VOC Colour can be directly applied to all surfaces that have been sand blasted, high pressure degreased, sanded with 240-280 grit sandpaper, and primed with the appropriate Endura Primer and topcoat.



Mixing Ratio

1 part by volume of component A [part# varies by color]
1 part by volume of component B [FUB0141]

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

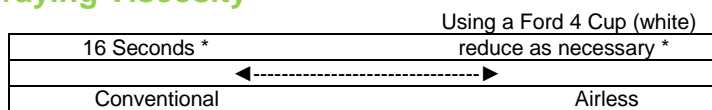
Environmental Conditions

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.

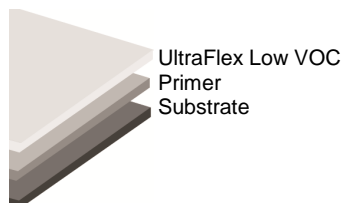
If required, recommended spraying viscosity is achieved by reducing with Endura Low VOC topcoat reducers:

- Max 10% with – Low VOC Topcoat Reducer- Regular [FTH0021]
- Max 10% with – Slow Low VOC Topcoat Reducer- Slow [FTH0023]



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	1.0-1.4 mm	55-65 psi	14-16 oz/min
Air Assist Airless	9-13 Thou	1,000-1,800 psi	
Airless	9-13 Thou	1,700-3,000 psi	





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Recommended Film Build Thickness and Cover Rate

Endura UltraFlex Low VOC colour has a recommended film thickness of:

Wet (unreduced): 4.0 – 8.0 wet mils (100 – 200 microns)

Dry: 2 - 4 mils dry (50 – 100 microns)

Theoretical coverage at 1.0 mil (25 microns) DFT: 760ft² per gallon @ 100% transfer efficiency.



Drying Time*

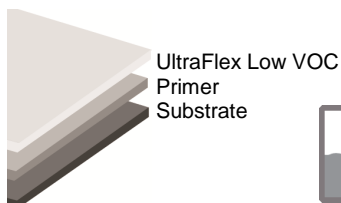
After 24 hours, to achieve inter-coat adhesion sand /scuff with 220/280 grit sand paper.

	20°C (68°F)	30°C (86°F)	40°C (104°F)
1 st - 2 nd coat	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	2H
Solvent resistance	ASTM D4752	100 MEK rubs; NO Failure
service temperature range**	-40° C to +182° C	-40°F to 360°F
Impact resistance	ASTM D2794	40 in. lbs: NO failure
Flexibility	ASTM D522	1/8" mandrel bend; NO failure
Abrasion resistance (1kg 1000 cycles CS-17)	ASTM D4060	20 mg loss
VOC	< 420 grams/liter (3.5 lbs/gallon)	



Clean Up

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