ENDURA PAINT

Technical Data Sheet

Endura Manufacturing Co. Ltd. TEL 1-800-661-9930

Updated: Sep 2010

EX-2C

Endura EX-2C Topcoat is a two component highly cross-linked, high performance polyurethane coating for protecting a wide range of surfaces. High gloss, color retention and outstanding resistance to chemicals, abrasion, and impacts, provide maximum protection and an impressive surface finish.

Product Features

- High gloss and color retention
- Outstanding resistance to chemicals, abrasion & impact
- A library of over 40,000 colors
- Color matching service available
- Available in: High and reduced gloss, Pearl, Metallic and Candied

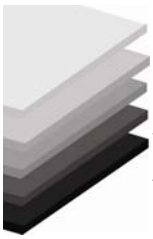
Theoretical Solids Content:
Volume: 46%

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.



Endura Clear Coat **
Endura EX-2C
Endura Sealer**
Endura Primer
Substrate

**optional

Suitability

Endura EX-2C Topcoat is a high performance coating for protecting all surfaces. It provides maximum protection in all environments.

Surface Preparation

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

Mixing Ratio

EX-2C	EX-2C Low VOC
1 part by volume of component A 1 part by volume of component B [FUB0100]	1 part by volume of component A 1 part by volume of component B [FUB0112]

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.

Cold Weather Application

Following good painting practices, including monitoring the dew point, Endura EX-2C topcoat can be applied down to -20°C (-4°F).

Spraying Viscosity

Using a Lemmer DIN 4 Cup (blue)

12 Seconds	Unreduced
◄----------	----------►
Conventional	Airless

If required, recommended spraying viscosity is achieved by reducing with Endura Medium Topcoat Reducer.

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	

ENDURA PAINT

Technical Data Sheet

Endura Manufacturing Co. Ltd. TEL 1-800-661-9930

Updated: Sep 2010

EX-2C

Endura EX-2C Topcoat is a two component highly cross-linked, high performance polyurethane coating for protecting a wide range of surfaces. High gloss, color retention and outstanding resistance to chemicals, abrasion, and impacts, provide maximum protection and an impressive surface finish.

Product Features

- High gloss and color retention
- Outstanding resistance to chemicals, abrasion & impact
- A library of over 40,000 colors
- Color matching service available
- Available in: High and reduced gloss, Pearl, Metallic and Candied

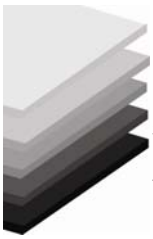
Theoretical Solids Content:
Volume: 46%

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.



Endura Clear Coat **
Endura EX-2C
Endura Sealer**
Endura Primer
Substrate

**optional

Application Method

Solid Colors: Apply 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. Allow 30-45 minutes between coats

Metallic Colors: Three coats are recommended for metallic colors. 1. Apply two medium coats. 2. Allow 30 minutes between coats then apply and third "mist coat" to achieve a uniform finish. A high-hide version of any metallic color can be used, and then clear coated for superior gloss retention and UV stability.

Recommended Film Build Thickness and Cover Rate

Endura EX-2C Topcoat has a recommended film build thickness of 3.5 – 5.5 mils (90 – 137.5 microns) wet and 1.5 - 2.5 mils (38 - 65 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 8 - 10 hours. After 24 hours sand with 400 - 600 grit sandpaper 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	2H
Solvent resistance	ASTM D4752	100 MEK rubs; NO Failure
Abrasion resistance (1000 cycles CS-17)	ASTM D4060	32 mg loss
Impact resistance	ASTM D2794	40 in. lbs: NO failure
Flexibility	ASTM D522	1/8˝ mandrel bend; NO failure
service temperature range**	-40° C to +182° C	-40°F to 360°F
VOC	For VOC amounts please refer to the product MSDS	

** some colors may discolor at the upper temperature range.

Clean Up

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