

## EX-2C Topcoat (Special Component B)

### Technical Data Sheet (TDS)

#### Product Description

**Endura EX-2C Topcoat (Special Component B)** is a two component highly cross-linked, high performance polyester polyurethane coating providing a high gloss surface finish.

#### Product features:

- Excellent UV Stability, providing long term gloss and color retention
- Outstanding chemical resistance
- Outstanding abrasion resistance
- Outstanding impact resistance
- A library of over 40,000 colors

#### Recommended Uses

Endura EX-2C Topcoat (Special Component B) is intended for industrial applications; either new build or maintenance.

**EX-2C Topcoat (Special Component B) is used for Brush and Rolling applications.  
Not recommended for use with metallic colors.**

EX-2C Topcoat (Special Component B) is suitable for application on all Endura primers.

#### Industries:

- Oilfield & Energy Services
  - Well Service Vehicles
  - Drilling
  - Tanks
- Cranes and Construction Equipment
- Waste and Recycling Industry
  - Garbage Trucks
- Trailers and Rolling Stock
- Marine (above the water line)

#### Mix Ratio

2 part by volume of component A [CLRXXXXX]  
(Part Number varies with color)  
1 part by volume of component B [FUB0101]

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

**NOTE: Other EX-2C B components are available for different ambient conditions and application requirements.  
See: Component B Selector and Mixing Ratios  
Please contact your sales representative if you have any questions.**

#### Product Characteristics

**Gloss:** High Gloss 90+ GU at 60 deg.

**Note: Slight gloss variations will occur depending on color.**

**Volume Solids Mixed: Using Comp B FUB0101**  
56 ± 4% (depending on color)

**Pot Life:** 8-10 Hours at 77°F (25°C) and 50% RH

**Note: Pot life is reduced when Supercat II is used.**

**VOC Mixed (Unreduced):** (EPA Method 24):

**White 120: Comp B FUB0101: 349 g/l (2.916lb/gal)**

**Note: VOC content will vary with each color and component B utilized.**

#### Shelf Life:

Component A: 3 years at 77°F (25°C)

Component B: 2 years at 77°F (25°C)

**Note: For unopened product**

#### Surface Prep

EX-2C Topcoat (Special Component B) can be applied over all Endura primer sealers and primer surfacer's without sanding during their topcoat window. The topcoat window varies with each primer. See the relevant primer technical data sheet for the specific topcoat window data.

If the primer topcoat window has been surpassed; the primer should be sanded with 240 – 280 grit sandpaper to achieve inter-coat adhesion. All sanding dust must be blown off prior to application of the topcoat.

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#### Application Method

EX-2C Topcoat (Special Component B) can be applied using a brush or roller.

Use a 1/8 inch (3mm) pile roller and /or a natural hair bristle brush.

For areas greater than 1000 sq. ft. (92 sq. m) use a squeegee to spread out the coating followed by back rolling with the short pile roller.

**Note: Assure that any solvent absorbent primer surfacers are properly sealed with a primer sealer prior to application of the topcoat.**

#### Solid Colors: Rolling and Tipping

Ensure that the surface is free of flaws, nibs or imperfections. If large imperfections exist after primer coat use 120-150 grit sandpaper to remove them. Use a vacuum cleaner to remove all dust from the surface.

On large surfaces first roll the Endura Topcoat and then smooth the roller stipple by lightly tipping the surface with a brush. This can be done with 2 painters working side by side (i.e., 1 rolling and 1 tipping), or with 1 painter rolling approximately 6 square feet and then tipping the area before rolling any further.

#### Spray Gun Setup

**Note: This is not applicable as this is a Brush or roller application**

#### Spray Viscosity

**Note: This is not applicable as this is a Brush or roller application**

#### Film Build

EX-2C Topcoat (Special Component B) has a recommended film build thickness of:

**Wet: (unreduced): 3.5 – 5.5 mils  
(89 – 140 microns)**

**Dry: 1.5 – 2.5 mils DFT (37.5 – 62.5 microns)**

**Note: With poor hiding colors film build may be higher.**

Theoretical coverage at 1.0 mil (25 microns)

**Average DFT is:** 910 ft<sup>2</sup> per gallon at 100% transfer efficiency.

#### Dry Times

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

**Note: Dry Times are subject to ambient conditions (temperature and humidity) and good airflow and film build of the topcoat.**

**Note: The use of Super Catalyst II with Endura topcoats will accelerate drying times.**

**Clear coat application time**

**Solid colors: Minimum 4 hours**

**Note: The recoat or clear coat times are based on based on 70°F and 50% RH and recommended film build.**

For best results surface temperature must be 86°F (30°C) or less before topcoating.

Maximum re-coat window without sanding is 18 hrs at 68°F (20°C). After 18 hours EX-2C topcoat must be sanded to achieve inter-coat adhesion.

Recommended 220 – 320 grit mechanical sanding before topcoating.

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**Important Note:** Ensure that no more than three coats of paint are applied in a 12-hour shift. This includes primer, mid-coat, topcoats and clear coat.

If more than 3 coats have been applied wait 10-12 hours to allow for proper solvent evaporation.

For questions about scheduling please contact your Endura representative.

#### Clean Up

Clean all equipment immediately after use with Endura high strength gun wash, Endura epoxy reducer or Endura EX-2C thinner.

Follow manufacturer's safety recommendations when using any solvent.

#### Ordering Information (sizing)

Available in Pints, Quarts, Gallons, 5 Gallon Pails

Other custom sizes may be available.

3 Pints		
Comp A -2X Part numbers vary by color	CLRXXXXX-010	1 Pt.
Comp B	FUB0101-010	1 Pt.

3 Quarts		
Comp A -2X Part numbers vary by color	CLRXXXXX-020	1 Qt.
Comp B	FUB0101-020	1 Qt.

3 Gallons		
Comp A -2X Part numbers vary by color	CLRXXXXX-030	1 Gal.
Comp B	FUB0101-030	1 Gal.

15 gallons		
Comp A-2X Part numbers vary by color	CLRXXXXX-050	5 Gal
Comp B	FUB0101-050	5 Gal

#### Environmental Conditions

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

**Note:** For use outside this range 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	100 in. lbs; NO failure
Flexibility	ASTM D522	1/8 mandrel bend: NO failure
Service Temp	-40°C to +182°C -40°F to 360°F	

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#### Safety Precautions

Please refer to all Safety Data Sheets (SDS) before using this product. SDS sheets can be found on our website at [www.endura.ca](http://www.endura.ca).