

Endura EX-2C Concrete

Technical Data Sheet (TDS)

Product Description

Endura EX-2C Concrete Topcoat is a two component highly cross-linked, high performance polyurethane for coating concrete floors. EX-2C Concrete coating provides outstanding resistance to chemicals, solvents, abrasions and impacts. It will provide an attractive easy to clean surface.

Product features:

- Outstanding resistance to chemicals, abrasion & impact
- Excellent protection against acids and alkalis
- Available in solid colors
- Available in medium and low gloss
- Easy clean surface

Recommended Uses

Endura EX-2C Concrete Topcoat is a high performance coating ideally suited for finishing concrete floors. It is extremely durable and abrasion resistant.

Mix Ratio

1 part by volume of component A [*varies by color*]
1 part by volume of component B [FUB0100]

EX-2C Concrete for Spray	EX-2C Concrete Rolling
1 part by volume of component A 1 part by volume of component B [FUB0100]	2 parts by volume of component A 1 part by volume of Special component B [FUB0101]

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

Product Characteristics

Finish: varies

Volume Solids: 55%

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

VOC (EPA Method 24): For VOC amounts please refer to the product SDS

Shelf Life**:

Component A: 3 years

Component B: 2 years

*Less when Endura Super Catalyst II is used

**For unopened product.

Surface Prep

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.

Spray Viscosity*

22-23 seconds – Using a Ford 4 Cup (white)
Application viscosity is achieved with reduction, as required, using Endura EX-2C slow thinner.

Application Method

DO NOT apply when the surface is less than 3°C (5°F) above the dew point.

Pour 1 liter of mixed topcoat onto the floor and roll it out to the desired coverage (Between 50-100 ft²).

Application Equipment

Use a short (1/8") pile roller. For areas over 1000ft² use a squeegee to spread out the urethane coatings then back roll with the short pile roller.

Please see the Epoxy/Urethane Concrete Coating system Application Guide for complete instructions.

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Film Build

Endura EX-2C Concrete Topcoat has a recommended film build thickness of 2.0 – 3.0 dry.

Theoretical coverage approximately 100-150 ft² per liter.

Dry Times*

24 Hours after application of the topcoat the floor may be walked on. Heavy traffic should be avoided for at least four days. The coating will reach full cure after 14 days.

	@ 20°C (68°F)	@ 30°C (86°F)	@ 40°C (104°F)
Dust Free	2 Hours	1 Hour	30 Minutes
Full Cure	14 Days		

*Subject to ambient conditions (temperature and humidity) and good airflow.

For improved scheduling please contact your Endura Representative.

Clean Up

Clean up spills, and equipment 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 Gallon and Pail kits. Other custom sizes may be available.

Gallon Kit For Spray	Comp A	CLR****-030 (1 Gallon) [part #'s will vary depending on color]
	Comp B	FUB0100-030 (1 Gallon)
Gallon Kit For Rolling	Comp A	CLR****-030 (2 Gallons) [part #'s will vary depending on color]
	Comp B	FUB0101-030 (1 Gallon)
Pail Kit For Spray	Comp A	CLR****-050 (1 Pail) [part #'s will vary depending on color]
	Comp B	FUB0100-050 (1 Pail)
Pail Kit For Rolling	Comp A	CLR****-050 (2 Pails) [part #'s will vary depending on color]
	Comp B	FUB0100-050 (1 Pail)

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.

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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

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.