

EP HiBuild Primer with EX-FX 85 Anti- Skid Additive

Technical Data Sheet (TDS)

Product Description

EP HiBuild Primer with EX-FX 85 Anti-Skid Additive provides a two-component high build, epoxy anti-skid coating designed to provide a non-slip resistance.

Product features:

- Very aggressive non-slip surface
- High build
- Available in white, warm grey and black
- Easy to use
- VOC Compliant

Recommended Uses

EP HiBuild Primer with EX-FX 85 Anti-Skid Additive is intended for industrial applications, either new build or maintenance. It is suitable for application on steel, aluminum, fiberglass, and other ferrous metals and concrete.

This primer must be topcoated to achieve the best results.

Industries:

- Oilfield & Energy Services
 - Decks & Walkways
- Cranes and Construction Equipment
 - Decks & Walkways
- Waste and Recycling Industry
 - Garbage Trucks
- Concrete floors

Mix Ratio

The product is mixed in the following steps

Step 1:

Start by mixing the EP High Build Primer Component A & B together in a clean empty metal 5-gallon pail

1 Gallon by volume of Component A [**FEAXXXX**]
(Part number varies with color)

1 Quart by volume of Component B [**FEB0275**]

Step 2:

After the EP HiBuild component A & B have been properly mixed with a drill and metal paint mixer.

Add the

EX-FX85 Anti-Skid Additive [**FAD0270**]

Slowly add the EX-FX 85Additive to the mixed EP HiBuild with continuous mixing. Continue until all of the EX-FX 85 additive is incorporated into the EP HiBuild and is homogeneous with no dry particles or dry particle clumps in the mix

Only mix quantities that can be used within the potlife of the product.

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

Thinning will manipulate and affect the desired surface finish.

Product Characteristics

Finish:	Rough Textured
Volume Solids Mixed: (Unreduced) FEA0274: FEB0275 (4:1) + FAD0270	76% ± 1%
Volume solids will vary by color	
Pot Life: (77°F (25°C) and 50% RH)	1 hour
VOC Mixed (Unreduced): EPA Method 24 FEA0274: FEB0275 (4:1) + FAD0270	196 g/l 1.638 lb /gal
VOC Content will vary by color Note: All colors are below 250g/l	
Shelf Life:	
Component A	3 years
Component B	2 years
EX-FX 85 Anti-Skid Additive	Indefinite
For unopened product (77°F (25°C))	

Surface Preparation

All surfaces must be free of all contaminants such as dust, oil, grease, and salt.

Steel:

It is recommended that all steel and other ferrous surfaces be sandblasted to a minimum of SSPC-SP6 or mechanically sanded with 40 grit sandpaper.

Concrete:

The surface must be properly prepared. Bead blasting, abrasive blasting or acid etching is recommended. (If acid etching the surface it must be left to dry to ensure it is free from any residual moisture).

New concrete surfaces need to cure for 30 days prior to the application of any coatings.

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Aluminum:

Thin Wall: Prepare Aluminum surfaces with MetaLink.

Read the MetaLink Technical Data Sheet for complete application instructions.

Do not use wax and grease remover to clean the surface.

Thick Wall: It is recommended that all thick wall aluminum surfaces be sandblasted a minimum of SSPC-SP6 or mechanically sanded with 40 grit sandpaper.

Application Method

EP HiBuild Primer with EX-FX 85 Anti-Skid Additive can be rolled using a Goop Loop Roller or sprayed with a hopper gun depending on desired surface finish.

Using the supplied Endura Goop Loop roller sleeve, load the roller sleeve from the paint tray and apply a uniform coat to the surface.

Do not pour the product from the mixing pail and roll. Uniformity is difficult to achieve using this method.

For small areas too narrow for the roller, a pure bristle brush can be used to brush and/or tap the product required.

Remove all masking tape as soon as the product is dry beyond tacky. If allowed to dry too long, the masking tape will be difficult to remove.

Film Build

EP HiBuild Primer with EX-FX 85 Anti-Skid Additive has a minimum recommended film build thickness of:

Wet: WFT Unreduced	53.0 mils	1350 microns
Dry: DFT	40.0 mils	1016 microns

The total Dry Film Thickness may be higher subject to desired finish and performance needs.

Theoretical coverage at 1.0 mil (25 microns)
Average DFT: 1229 ft² per gallon at 100% transfer efficiency.

Practical coverage of EX-FX 85 is approximately 30 sq. ft. per gallon at 40 mils DFT.

Dry Times

	68°F(20°C)
Topcoat	4 - 6 hours
Dry for Foot Traffic	6 -12 hours
Dry for heavy traffic	48 - 72 hours

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

For best results, surface temperature must be 86°F (30°C) or less before topcoating. Maximum re-coat window without sanding is 24 hours at 68°F (20°C)

For questions about scheduling please contact your Endura Representative.

Topcoating Information

EP HiBuild Primer with EX-FX 85 Anti-Skid Additive can be topcoated with the range of Endura EX-2C Topcoats.

Topcoating is recommended for long term UV stability.

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 Gallons.
Other custom sizes may be available.

Product lead times may apply. Please contact your Endura Representative for further information regarding stock availability and lead times.

EP Hi Build Primer

1¹/₄ mixed gallons (4.73l)		
Comp A – Std White	FEA0270-030	1 gallon (3.78l)
Comp A – Warm Grey	FEA0274-030	1 gallon (3.78l)
Comp A - Std Black	FEA0273-030	1 gallon (3.78l)
Comp B	FEB0275-020	1 quart (946ml)

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2 gallons (7.56l)		
EX FX 85 Anti-Skid Additive	FAD0270	2X1 gallon (7.56l)

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.

For use outside this range please contact your Endura Representative.

Safety Precautions

Please refer to all Safety Data Sheets (SDS) before using this product. SDS sheets can be found on our website at www.endurapaint.com