

EP HiBuild [Floor]

Endura EP HiBuild Epoxy Floor Primer is designed as a multi-mil coating for use on concrete floors in garages, warehouses and in industrial shops.

Product Features

- ◆ Proven for heavy industrial applications
- ◆ Waterproof capability at 10 mils dry film thickness
- ◆ High solids provide quick film build
- ◆ Excellent alkali and salt spray resistance

Theoretical Solids Content:

Volume: 79%

Shelf Life*

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

*For unopened product.

Pot Life of Mixed Product:

30-45 minutes* @ 77°F (25°C) and 50% RH

*For extended pot life phone Endura technical dept.



Suitability

Endura EP HiBuild Epoxy Floor Primer is ideally suited for heavy industrial uses and/or waterproofing requirements. EP HiBuild Epoxy Floor Primer is topcoated with Endura EX-2C Concrete topcoat.



Surface Preparation

Concrete: Concrete floors should be shot blasted or acid etched. For acid etching concrete floors use muriatic acid, mixed at a ratio of 1 part acid to 5 parts water, by volume. Rinse the floor thoroughly with clean water after etching and fry completely. Force dry the floor, the **concrete must be completely dry** before it is coated with primer.



Mixing Ratio

4 parts by volume of component A
1 part by volume of component B [FEB0007]

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.



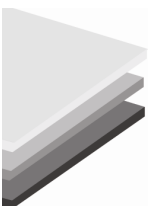
Application Instructions

Pour 1 liter of mixed primer onto the floor and roll it out to the desired coverage. (Between 50 and 100 ft² per liter)
The floor temperature must be maintained at a minimum of 15° (60°F).

Application Equipment

A short (1/8") pile roller should be used. A squeegee may be used for initial spreading, and then the product should be rolled.

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



EX-2C Concrete
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Substrate

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Recommended Film Build Thickness and Cover Rate

Endura EP Hi Build Epoxy Primer has a recommended film build thickness of 3.5 - 7.0 mils dry.

Theoretical coverage at 1.0 mil (25 microns) DFT: 1264 ft² per gallon @ 100% transfer efficiency.



Drying Time*

	20°C (68°F)	30°C (86°F)	40°C (104°F)
Topcoat	5-6 Hours	4-5 Hours	3-4 Hours
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

Impact resistance (direct)	ASTM D2794	40 in.lbs: NO failure
Solvent resistance	ASTM D4752	50 MEK rubs: NO failure
Flexibility	ASTM D522	1/8 mandrel; NO failure



Clean Up

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

Note

This data sheet is for **concrete flooring applications only**. Please see the EP HiBuild Epoxy Primer datasheet for other application information.

