

CODE: EP-350

PRODUCT NAME:

Anti Slip Epoxy Flooring Topcoat



Approved b



DESCRIPTION:

EP-350 is a two component Epoxy flooring with high Surface slip and wear resistant with smooth surface. It has maximum slip resistance compared to many other epoxy floors, with good chemical resistance and high –resistant screeds. EP-350 is suitable for use in wet or chemical areas to obtain a slip resistant floor surface as hospitals, public buildings, factories, fire escapes, stairways, etc.

TECHNICAL DATA:

Binder	Epoxy polyamine
Pigment	Chemical resistant pigment
Finish	Gloss-semi gloss
Shade	Cream, Grey, yellow, Green and Blue
Specific gravity after mixing	1.6 ±0.05 Kg/Lit
Volume solid	100 %
Flash point	87 °C
Typical dry film thickness	0.5-1 mm
Number of coat	One
Mixing ratio by weight	Base : 100 parts Hardener : 20-22 parts
Substrate	Primed concrete
Application method	Pour and Spread by Conventional saw tooth Trowel
Theoretical spreading rate (at 1 mm)	1 M2/Lit
Thinner / Cleaner	Not applicable
Packing	Base : 30 kg or 200kg in drum Hardener : 6 kg or in drum
Shelf life	12 Months

Mechanical Properties (After Full Curing)

Compressive strength	Aprox. 9000 psi
Flexural strength	Approx.3000 psi
Tensile Elongation	10%
Tensile strength	Approx.1500 psi
Adhesion to concrete	350 psi (Concrete Fails)

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Drying Time

Temp	Touch dry	Hard dry	Overcoating		Full cure
			Min	MAX	
15°C	11 hours	48 hours	32 hours	-	13 days
25°C	8 hours	36 hours	24 hours	-	7 days
40°C	5 hours	27 hours	18 hours	-	4 days

Note: Drying times are dependent on applied film thickness; all data in this catalogue are reported at recommended DFT.

Pot life

Temp. of paint	15°C	25°C	40°C
Pot life	120 minutes	70minutes	40minutes

Surface Preparation

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO8504:1992.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning

Concrete Surfaces

Concrete should be cured for a minimum of 28 days prior to coating. The moisture content of the concrete should be below 6%. All surfaces should be clean and dry.

Primed surfaces

EP-350 can be applied over approved primers. The primer surface should be dry and free from all contamination, and EP-350 must be applied within the overcoating intervals specified.

Surface preparation shall not take place in following conditions:
below 5 °C.

A-At temperature
B-When the relative humidity greater than 50-60%.

C-When the surface temperature is less than 3 °C above the dew point.
exterior locations

D- Out side day light hours on

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Application Method

Under License



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Mixing of product should be carried out using slow speed mixers and completed by adding to the component "A", the colour pack followed by component "B". Ensure the mix is homogenous and free from lumps Pour the mixed product directly into paint trays and Pour the mixed product directly into paint trays and the substrate ensuring the product is finished off evenly removing excess puddles or trails. The product should be applied to achieve a practical coverage rate of 4 m² / kg-6 m²/ kg should never be exceeded otherwise low aggregate holding properties and subsequent loss of non slip finish will occur.

The applied product should then have aggregate evenly broadcast over all areas. Suitable aggregates include quartz, silica sand, copper slag, garnet, silicon carbide and aluminum oxide. The application of aggregate should occur within 30 minutes of product application .Ensure the product is totally blinded out by the aggregate. Leave the product to cure for 8-12 hours before carefully sweeping away all loose unbound aggregate. Apply a final thin coat of EP-258 over the entire area at a coverage rate of 1.5 m² / kg, based on 1.2mm aggregate, to leave the floor with an even appearance and all aggregate thoroughly sealed. Should a finer grade of aggregate be used, increased coverage should be anticipated and where a very coarse aggregate is used, significantly more products will be required.

- In hot climate, material temperature should be 20 to 25 °C prior to mixing; otherwise pot life becomes very short.

-Do not thin for any reason

- Do not apply this coating when surface temperature is below 12°C.
- Paint shall not be applied when wind speed is in excess of 7 m/s

HEALTH AND SAFETY:

This product is Flammable. Keep away from heat and open flame .Keep container closed .Use with adequate ventilation. Avoid prolonged and repeated contact with skin. If used in confined areas, observe the following precautions to prevent hazards of fire or explosion or damage to the health:

- 1-Circulate adequate fresh air continuously during application and drying.
- 2-Use fresh air masks and explosion proof equipment.
- 3- Prohibit all flames, sparks, welding and smoking.

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