

SUPERTOP EP 70

Two-Component Epoxy Floor& Wall Coating

Description

SUPERTOP EP 70 is a high performance solvent base epoxy coating consisting of two components for mixing at site. The coating, once cured, provides strong layer with excellent adhesion to cementitious and steel substrates.

SUPERTOP EP 70 consisting of a colored base resin and hardener pack suitable for decoration floors and walls. It forms smooth, semi-gloss, wear resistance finish that has protection to abrasion, chemicals.

Features & Benefits

- Economical and easy to apply
- Excellent bonding to different type of substrates.
- High penetration properties
- Impermeability to liquids
- Good resistance to chemicals
- Excellent wear and abrasion resistance
- Durable and low maintenance cost
- Slip resistance finish.

Uses

SUPERTOP EP 70 is suitable for use in many industrial applications. It can be applied in the following industries:

- Car park areas.
- Industrial production facilities.
- Engineering workshops
- Loading docks ramps.
- Aircraft hungers.
- Utilities rooms
- Pharmaceutical & Medical laboratories
- Food & beverage Factories
- General floor protections

Technical Properties

Appearance	Liquid Resin
Color	Refer to SBI Color Chart
Density	1,300 Kg/m ³ approx.
Pot Life	2 hrs @ 25 °C

Bonding Strength	>2.0 N/mm ² concrete failure
Solid Content	70%
Heat Resistance	-5 to +80 °C
Compressive strength	60 N/mm ²
Flexural Strength	30 N/mm ²
Tensile Strength	26 N/mm ²
Dry to touch	4 hrs
Full curing	7 days

All values are subject to 5-10% tolerance

Standards Compliance

- ASTM C501, C579, D4541, C307, D4060
- BS 6319 Pt. 3& 7

Application Procedures

Surface preparation:

All surfaces should be sound, clean, dry and free from loose and flaking material, efflorescence, laitance, curing compounds, dirt, oil and grease. Suitable preparation using mechanical methods like grinding or blasting in order to provide a suitable clean surface is strongly recommended. All necessary repairs should be made prior to application by using epoxy mortar. Pinholes, cracks and small defects to be repair with EPOREP FINISH epoxy mortar. For any support Contact SBI Technical Department for advice. New concrete floors should have been allowed to cure for at least 21 days (moisture content below 5%) in order to allow all shrinkage movement to take place before applying the floor coating.

SUPERTOP EP 70 does not require priming. High puros concrete substrates could be primed with TOPSEAL EP. Metallic surfaces must be brushed or sand blasted (in order to remove all corrosion and mill scale).

Mixing Instructions:

SUPERTOP EP 70 is composed of two components that must be mixed at the moment of use. The entire contents of the hardener Pack (Component B) should be added to the colored base (Component A) and mix together for 3-5 minutes with a drill at low number of turns (200-300 RPM) till obtaining a homogenous mix.

Application Instructions:

Using roller brush or airless spray unit apply **SUPERTOP EP70** in various application thickness from 70-150 microns per coat. Before applying the second coat make sure that the first one is completely dry.

If slip resistance finish is required, spray the silica sand with the required sieve size (Quartz) onto the first coat while it is wet, apply in a rate of 0.6-1 kg/m². Once cured, remove excess sand and apply the final coat.

A system of primer and two coats of **SUPERTOP EP70** would give a total dry thickness of 150-250 microns (without anti-slip filler).

Coverage

Smooth Finish: 6-8 m² / Ltr per coat.

Slip Resistance Finish: 5 m² / Ltr. per coat

Coverage depends on substrate porosity and profile.

Packaging

SUPERTOP EP 70 is available in 4 Liters & 15 Liters Two-Component Kits.

Storage

Keep the product in dry and sheltered place at temperature between +5°C to +35°C. In these conditions and in closed original containers, the product will have a shelf life of at least 12 months.

Health and Safety

Wear gloves, goggles to avoid any contact with eyes and skin. In case of splashes in the eyes wash abundantly with warm water and consult a doctor.

For further information or particular use, contact SBI Technical Department.

Quality & Care

All products produced in SBI facilities are manufactured under a management system certified to conform to the requirements of the quality and environmental health & safety standards ISO 9001 & ISO 14001.

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