TECHNICAL DATA SHEET

TOPSEAL WEP

Two-Component, Water-Based Epoxy Primer

Description

TOPSEAL WEP is a two-component water-based environment friendly, low viscosity epoxy resin system designed to seal concrete pores, enhance outstanding adhesion bond with different type of substrates, and provide a strong base for subsequent epoxy, polyurethane or resinous floor coatings, self-levelling and screeds.
TOPSEAL WEP has low VOC and Odor less with excellent mechanical characteristic. It can be used on earlier casting concrete (14 days).

Features & Benefits

- Environmentally Friendly, Low VOC.
- Excellent adhesion to different type of substrates.
- Low viscosity, high penetration properties
- Impermeability to liquids
- Good chemical resistance
- Excellent abrasion resistance
- Primer and sealer coat in one product

Uses

TOPSEAL WEP is used as a consolidating treatment on variable supports before the application of epoxy or polyurethane coatings.
As an anti-dust treatment on industrial floorings.
Primer on substrate prior to the application of epoxy or polyurethane coating.
TOPSEAL WEP can be applied on mild humid concrete.

Technical Properties

Appearance	Low viscosity liquid
Color	Milky dry to Transparent
Density	1,050 Kg/m^3 approx.
Pot Life	60 minutes @ 25 ^{o}C
Bonding Strength	Greater than concrete cohesion
Solid Content	>65%
Application temperature	10^{o}C – 35^{o}C substrate temp.
Drying Time	6-8 hrs @ 25 ^{o}C

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. Contact SBI Technical Department for advice.

New concrete floors should have been allowed to cure for at least 14 days in order to allow all shrinkage movement to take place before applying epoxy coating.

Mixing Instructions:

TOPSEAL WEP 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 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. Then slowly add clean cool water (1.2Ltr for 4 Ltr. kit or 4.5 Ltr for 15 Ltr. kit) and constant mixing for 2-3 minutes.

Application Instructions:

Using roller, brush or airless spray unit apply **TOPSEAL WEP** at the required coverage to suit the application for which it is being used.

Coverage

5-6 m^2 per Liter depends on surface texture and porosity.

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Packaging

TOPSEAL WEP is available in 4 Liters & 15 Liters Two-Component Kits.

Storage

Keep the product in dry and sheltered place at temperature between +5ºC to +35ºC. 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.

SBI products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Service. All SBI datasheets are updated on a regular basis. It is the user's responsibility to obtain the recent version.

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