TECHNICAL DATA SHEET

TOPSEAL EP 100

Two-Component, High Performance Solvent Free Epoxy Primer

Description

TOPSEAL EP 100 is a two-component solvent free 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 EP 100 has low VOC and Odor less with excellent mechanical and anti-corrosive characteristic. It is used as a sealer or scratch coat with the addition of Quartz silica.

Features & Benefits

- 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 EP 100 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 EP 100 is sprinkled with quartz sand while still wet to create a mechanical key for subsequent coatings. Also, It can be mixed with silica sand to the desired consistence to repair patches or form covings.

Technical Properties

Appearance	Low viscosity liquid
Color	Clear to yellowish
Density	1,050 Kg/m^3 approx.
Pot Life	45 minutes @ 25 ^oC
Bonding Strength	Greater than concrete cohesion
Solid Content	100%
Application temperature	10^oC – 35^oC substrate temp.
Drying Time	6-8 hrs @ 25 ^oC

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 21 days (moisture content below 5%) in order to allow all shrinkage movement to take place before applying epoxy coating.

Mixing Instructions:

TOPSEAL EP 100 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.

On porous surfaces a maximum of 1-2 liter of suitable solvent (SOLVENT 20) thinners per 15 liters kit of primer may be added to improve penetration.

Application Instructions:

Using roller, brush or airless spray unit apply **TOPSEAL EP100** at the required coverage to suit the application for which it is being used.

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Coverage

5-8 m^2 per Liter depends on surface texture and porosity.

Packaging

TOPSEAL EP 100 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.

PRODUCT CONFORMITY
AL SA'FAT - GREEN BUILDING
Certificate No. CL21020772

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.

SALES OFFICE : Jebel Ali, Industrial 1
FACTORY : RAK, Jazerat Al Hamra

Tel.+971 4 880 2131
Tel. +971 7 2210066
www.sbi-me.com , info@sbi-me.com