

SUPER SCREED EP

High Performance, Multi-Component Epoxy Screed

Description

SUPER SCREED EP is a three-Component trowel applied heavy duty epoxy screed system to provide durable and high abrasion resistance floor protection for concrete.

SUPER SCREED EP consists of base resin, hardener and graded silica granules when mixed and dry produces an extremely dense, durable, chemically resistant floor topping. It is designed for application at a nominal thickness of 5 mm and above.

Features & Benefits

- High impact and abrasion resistant
- Hygiene, bacteria and mold resistance
- Durable, low maintenance
- Good resistance to a wide range of chemicals
- Excellent mechanical resistance with high compressive and flexural strength
- Excellent adhesion to substrate. Bonding strength is greater than cohesive strength of concrete

Uses

SUPER SCREED EP is suitable for industrial and commercial situations to produce floor surfaces able to withstand mechanical abrasion and the spillage of liquids including aggressive chemicals, in situations such as:

- Heavy engineering plants
- Chemical handling and process areas
- Oil refineries
- Workshops
- Battery rooms
- Car Parks and Ramps
- Food and beverage processing areas

SUPER SCREED EP is designed for general leveling repairs in floors subject to heavy traffic.

Technical Properties

Appearance	Grey resin mortar
Pot Life	45 minutes
Mix Density	2,000 Kg/m ³ approx.
Compressive Strength	≥80 N/mm ²
Flexural Strength	≥18 N/mm ²
Tensile Strength	12 N/mm ²
Bond Strength	>2.5 N/mm ²
Open to foot traffic	Minimum 24 hours
Open to Vehicular traffic	2-3 days
Abrasion/ Impact resistance	Excellent
Shore D Hardness	≥80

All values are subject to 5-10% tolerance

Standards Compliance

- BS 6319
- EN 13831 SR
- ASTM C 580, C579& C 307
- ASTM D 4541, D 4060& D 2794

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 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%) to allow all shrinkage movement to take place before applying the floor coating.

Cracks should be repaired with SUPER REP FINISH and expansion joints with EPOREP E epoxy mortars. Metal surfaces must be brushed or sand blasted (to remove all corrosion and mill scale).

Prime the prepared surface with **TOPSEAL EP** Primer before **SUPER SCREED EP** application.

Mixing Instructions:

SUPER SCREED EP is composed of three components that must be mixed at the moment of use. The entire contents of hardener pack (Comp. B) should be mixed first with the base part (Comp. A) and mix for 2-3 minutes with a drill at low number of turns (200-300 RPM) till obtaining a homogenous mix. Slowly add the aggregate (component C) and mix till getting a homogenous mixture.

Application Instructions:

Pour the mixed product onto the surface and spread to the desired thickness using steel trowel or suitable tools. Use the proper tools to cut the joints along the resumption lines and screeds joints. Seal the joints with suitable sealant.

Coverage

10kg per square meter at 5mm layer thickness.

Coverage depends on substrate porosity and profile.

Packaging

SUPER SCREED EP is available in 30kg three-component kit.

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.



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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