

EPOREP FINISH

Solvent-Free Epoxy Fairing Repair Mortar

Description

EPOREP FINISH is a solvent free, two-component epoxy mortar. The base part consisting of epoxy resin, graded silica and chemical additives that when mixed with part B hardener produce a high adhesion and compressive strength putty for fairing concrete repairs. The product has been developed in two different types for repairing the minor imperfections in concrete surfaces. **EPOREP FINISH F** fine is suitable to fill and seal cavities and cracks in structural components up to 3 mm wide, whereas, **EPOREP FINISH C** coarse is suitable for application greater than 3 mm up to 8 mm.

Features & Benefits

- High mechanical and adhesion properties
- Solvent free, non-shrink
- High impact and abrasion resistance
- Impermeable
- Resistant to chemical attack
- Tensile strength higher than concrete
- High workability, non-slump
- Provide smooth finish
- Durable

Uses

EPOREP FINISH is used to repair concrete surfaces in different areas, such as:

- Crack repairs in structural components, like bridges, industrial structures, columns, beams, foundations, walls and floors slabs
- Repairing concrete floors before applying epoxy or polyurethane systems.
- Re-profiling of expansion joints
- Dowel bars anchoring
- Skim coat for walls and columns.
- Can be used as excellent adhesive to fix concrete parts, stones, marble and others
- Honeycombing filler for soffits.

Technical Properties

Appearance	Grey color Paste
Density	1,650 -1,700 Kg/m ³
Pot life	60 minutes @ 25 °C
Adhesion to concrete	>3.0 N/mm ²
Compressive strength	≥ 65 N/mm ²
Tensile Strength	>21 N/mm ²
Flexural strength	>28 N/mm ²
Solid Contents	100%
Chemical Resistance	Excellent esistance to most of chemicals attack

All values are subject to 5-10% tolerance

Standards Compliance:

- ASTM D 4541
- BS 6319 Part 2& 7

Application Procedures

Surface preparation:

All surfaces must be thoroughly cleaned and prepared. Remove all loose particles, dirt, dust, laitance, and mould release agents, curing compounds, oils, grease, and floor hardeners. Remove laitance, dirt and dust by mechanical scarification such as wire brushing, scrapping, scabbling or grit blasting. Clean the dust by pressurized air. Concrete should be fully cured.

Mixing Instructions:

Stir the hardener and base separately. Empty the hardener content into the base container and mix the two components thoroughly, till a uniform homogeneous paste like is obtained. For a perfect mixing, a low speed electric motor attached with a suitable puddle is recommended.

Application Instructions:

Apply the mixed product manually using a trowel, scraper or filling knife. **EPOREP FINISH** is a thixotropic workable product which makes it easier to obtain a smooth finished surface.

EPOREP FINISH is designed to filling pin holes and to re-profiling and leveling irregularities in concrete surfaces prior to applying any epoxy coating system. Application thickness depends on substrate profile.

The range of thickness will vary from feather edge up to a maximum of 3 mm for **EPOREP FINISH F** or up to 8mm for **EPOREP FINISH C**. For greater thickness application, please consult SBI Technical Service Department.

Coverage

1.65 - 1.7 kg per m² of **EPOREP FINISH** for 1mm thickness depends on surface porosity and roughness

Packaging

EPOREP FINISH is available in 1 Ltr, 4 Ltr. & 15 Ltr 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.

REV 00-1010

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