

SUPER FINISH C

Single component Polymer Modified Fairing Coat (3-6mm)

Description

SUPER FINISH C is a single component, acrylic polymer modified cement base repair mortar with selected silica fillers and special chemical additives. It is designed to give thin layer for fairing and cosmetic repairing to fill pores, blowholes and blemishes on concrete or masonry surfaces. When mixing with water the product forms soft paste easily to apply horizontally, vertically and over head. Because of its high polymer contents SUPER FINISH C bonds extremely well on all concrete surfaces and forms a compact, strongly adhesive layer when hardened.

Features & Benefits

- Shrinkage compensate mortar.
- Excellent adhesion to all concrete substrates.
- Flexible with high impact resistant finished layer.
- High workability with smooth finish.
- Low permeability, excellent resistance to freeze/thaw cycles and carbonation.
- Excellent resistant to Chloride, Salts and Chemical attack.
- Excellent resistant to CO₂ diffusion.
- Does not contain Asbestos, Chloride or Sulphate.

Uses

SUPER FINISH C is designed to provide repairs to surfaces in different situations, such as:

- To produce a smooth fair faced surfaces prior to applying decorative or painting coating.
- Preparatory treatment to concrete to receive a thin film protective coating.
- As a general re-profiling layer over large areas.
- For filling pinholes or porous surfaces prior to over coating.
- As a minor repair product for defected concrete elements.
- For cosmetic repair fairing coat after a major concrete repair is executed in association with any of SBI cementitious concrete repair products.

Technical Properties

Consistency	Thixotropic mortar
Density	1,750 Kg/m ³ approx.
Workability time	40 minutes @ 25 °C
Pull Off Strength	1.5 N/mm ²
Compressive strength @ 28 days	≥27 N/mm ²
Flexural Strength @ 28 days	≥7.5 N/mm ²
Tensile Strength @ 28 days	3.0 N/mm ²
Coefficient for thermal expansion	7.6X10 ⁻⁶ / °C
Rapid Chloride Permeability	Moderate
Drying Shrinkage @28 days	<400 macrostrains

All values are subject to 5-10% tolerance

Standards Compliance

- BS EN 196, BS 1881
- ASTM C109, C348, C190, C1583
- ASTM C579, C580, C531, C102, C157

Application Procedures

Surface preparation:

The surface must be clean, sound, free from grease, friable material, curing compound, etc. Dust should be removed by brush or compressed air.

All necessary repairs for wide cracks, degraded concrete, expansion joints, etc. should be made using one of the recommended range of concrete repair products before start to apply **SUPER FINISH C**.

Saturate the surface with water to eliminate possible water absorption at the moment of application.

Mixing Instructions:

To prepare the mortar, pour 4.25 – 4.5 liters of clean water into a container and add slowly add the content of **SUPER FINISH C** bag with mixing.

Mix using spiral paddle in slow speed heavy duty drill for few minutes till a homogeneous lump free consistency mix is achieved. Always add powder to water and not the other way around.

Application Instructions:

Apply the mortar manually with spatula or steel trowel with a maximum thickness of up to 6 mm per coat. The product can be applied in more than one layer. Leave the surface rough if the application of following layers is needed.

Last coat can be smoothed with sponge trowel few minutes after the application. If surface dries too fast during the smoothing, it can be dampened by water spraying to facilitate the trowel application.

In case of high mechanical resistant thin plaster is required, **SUPER FINISH C** must be reinforced with a fiber mesh.

It is recommended to use curing compound in high temperature and drying wind conditions. In cold conditions protect the surface from freezing.

Yield / Coverage

A 25kg bag of **SUPER FINISH C** will yield approximately 17.5 Liters of mortar.

One bag of **SUPER FINISH C** will cover 17.5m² at thickness of 1mm depends upon surface profile, porosity and wastage.

Packaging

SUPER FINISH C is available in 25kg bag.

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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