

SUPER FINISH F

Single component Polymer Modified Fairing Coat (up to 3mm)

Description

SUPER FINISH F is a single component high strength polymer modified cement base powder with selected fine silica fillers and special chemical additives. It is designed to give thin layers to produce a fair faced appearance to 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 F** bonds extremely well on all concrete surfaces and forms a compact, strongly adhesive layer when hardened.

Features & Benefits

- Shrinkage compensate, easy to use just requir mixing with water
- Excellent bond to all concrete supports
- Flexible with high impact resistant finished layer
- Workable with smooth finish
- After hardening it creates an impermeable layer, resistant against atmospheric gas, frost and thaw cycles.
- Excellent adhesion to concrete substrates.
- Excellent resistant to Chloride, Salts and Chemical attack.
- Excellent resistant to CO₂ diffusion.
- Does not contain Chloride or Sulphate.

Uses

SUPER FINISH F 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.
- 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	1,850 Kg/m ³ approx.
Workability time	40 minutes @ 25 °C
Pull Off Strength	>1.2 N/mm ²
Compressive strength @ 28 days	>15 N/mm ²
Flexural Strength @ 28 days	>6.5 N/mm ²
Coefficient for thermal expansion	6X10 ⁻⁶ / °C
Rapid Chloride Permeability	Low
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, C580, C579
- ASTM 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 F**.

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

Mixing Instructions:

To prepare the mortar, pour 5.6 - 6.0 liters of clean water into a container and add slowly add the content of **SUPER FINISH F** 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 3 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.

Only the 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 high mechanical resistant thin plaster is required, **SUPER FINISH F** 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 20kg bag of **SUPER FINISH F** will yield approximately 13.9 Liters of mortar.

One bag of **SUPER FINISH F** will cover 13.9m² at thickness of 1mm depends upon surface profile, porosity and wastage.

Packaging

SUPER FINISH F is available in 20kg 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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