

Rocky Superior Finish 0-3

Description

ROCKY SUPERIOR FINISH 0-3 is a cementitious polymer modified mortar composed of high resistance cements, silica sand and special 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 becomes easily workable mortar applicable horizontally, vertically and overhead. It is applicable for coatings that are 3 mm thick or less.

Use

To produce a smooth fair faced surfaces prior to applying decorative 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 plaster crack repairs

Advantages

Excellent bond to all concrete supports
 Requires only on-site addition of water
 High impact resistance and excellent adhesion to concrete
 Smooth, easily producing fair faced finish
 After hardening it creates an impermeable layer, resistant against atmospheric gas, frost and thaw cycles
 Resistant against salts, chloride and chemical attack

Technical Properties

Appearance	Grey
Density at 25°C	1.8 – 1.85 kg/L
VOC	2.0 g/L
Workability time at 25°C	40 minutes
Adhesion to concrete (BS 1881)	≥ 1.5 N/mm ²
Compressive strength at 28 days (ASTM C579)	20 N/mm ²
Flexural strength at 28 days (ASTM C580)	7 N/mm ²
Tensile strength at 28 days (BS 6319 Part 7)	> 1 N/mm ²
Coefficient of thermal expansion (ASTM C 531)	6 x 10 ⁻⁶ / °C
Rapid chloride permeability (ASTM C1202)	Low
Drying shrinkage at 28days (ASTM C 157-93)	<400 microstrains
Test performed at 25°C, 50% of relative humidity and in absence of ventilation.	All values are subject to 5-10 % tolerance

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Mixing

To prepare the mortar, pour 7.50 liters of water into a clean container and add slowly the content of Rocky Superior Finish 0-3 (25kg). 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

Apply Rocky Superior Finish 0-3 manually with spatula or steel trowel with a maximum thickness of 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. Care should be taken not to overwork the surface.

When high mechanical resistant thin plaster is required, Rocky Superior Finish 3-6 must then be reinforced with a special fibers tissue.

Curing

Curing is not generally needed however under extreme conditions - high temperature and drying winds, ROCKY CCAC shall be used as a curing compound.

Cleaning

Rocky Superior Finish 0-3 should be removed from tools and equipment and mixers with clean water immediately after use. Cured material should be removed mechanically.

Recommendations

- Protect the surface from rapid evaporation of water, variations of temperature increase or reduce the initial and final setting time of the product
- Use cool water to keep the mixed mortar temperature below 30 °C
- Do not expose packing to the direct sun-rays.
- In warm weather, store the material in cool place

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Surface Preparation

The support must be perfectly cleaned, free from dust, inconsistent parts, traces of form stripping oils, efflorescence, rust etc.

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

Coverage

- Rocky Superior Finish 0-3 is packed in 25 kg bags.
- **Yield:** 17 liters / 25 kg bag.

Shelf Life & Storage

- The product must be kept in dry and sheltered place, in these conditions its shelf life will be 12 months.

Health & Safety

Rocky Superior Finish 0-3 can be harmful to skin as it contains cement powders which may release alkalis when mixed with water. During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly. If ingested, obtain medical attention immediately.

Important Note

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