LAVAFINISH

Polymer Modified Skim Cementitious Fairing and reprofiling coat

Description:

LAVAFINISH is a premixed, cementitious, polymer modified, shrinkage-controlled skim coat product applied for fairing of voids 1.5 to 10 mm. It is composed of Portland cement, silica sand, hydraulic binders and special additives.

When mixed with water the product becomes a workable mortar that can be applied on horizontal, vertical and overhead surfaces. It can also be used for re-profiling concrete elements.

Uses:

- As a minor repair for defects of concrete elements.
- Touch up of fair face concrete.
- Skim coat for walls and columns.
- Honeycombing filler for soffits and surfaces.
- Smoothing of concrete substrates.
- Re-profiling concrete elements.
- For filling porous surfaces prior to over coating.

Advantages:

- Single component, requires addition of water only.
- Excellent bond to all concrete substrates.
- Shrinkage compensated.
- Highly smooth finished layer.
- Applicable in low thicknesses.
- Re-coatable and receives other cement products.
- High resistant to salt, chloride and chemical attack.
- Excellent adhesion to concrete with high impact resistance.
- Works as a skim coat for repair areas.
- Ideal solution to fill and smoothen honeycomb area specialty for soffits.

Instructions for Use:

Surface Preparation:

Surface should be perfectly clean, free from grease, dust, contaminants, oil and loose material. Make sure that concrete surface is not coated with curing compound film.

Before applying LAVAFINISH, soak the substrate with water. Allow excess water to drain. Ensure a saturated surface dry condition "SSD" prior to application of the mix.

Application of repair mortars over dry concrete surfaces without saturation with clean water "SSD" or priming with a bonding agent will result in failure of product and will cause defect in repair.

Mixing:

To prepare the mortar, pour 5.0 to 5.25 liter of clean water into the mixing container and add full 25 kg bag of LAVAFINISH, while mixing continuously using a low-speed heavy duty mixer fitted with a spiral paddle (max: 500 rpm) for a minimum of 3 minutes, till a homogeneous lump-free consistency mix is achieved. Avoid entrapping of air. Always add powder to water after the mixture is homogeneous and ready to use.

Application:

Apply LAVAFINISH manually with a trowel or spatula to the saturated surface of concrete "SSD", in layer with maximum thickness of 10 mm. Ensure to use very clean trowel or spatula to avoid scratching in the fairing coat. Leave the surface rough if another layer of the product is needed.

LAVAFINISH can be applied on fiber mesh layer of high mechanical resistant plaster is required.

After application, avoid rapid evaporation of water from the applied skim coat. Use of light water fogging for 48 hours or application of suitable curing agent from MATEX product range is recommended. Do not commence fogging until final set has been reached.

Standards:

- EN 1504-9
- ASTM C109, C580
- BS 1881-207

LAVAFINISH

TECHNICAL PROPERTIES	
Appearance	Cement Grey
Wet Density	1.90 ± 0.03 kg/lit @25°C
Temperature of Application	From 5°C to +40 °C
Workability	>30 minutes@25°C
Application Thickness	Up to 10 mm
Adhesion Bond to Concrete (BS 1881-207)	1.6 N/mm² at 28 Days
Compressive Strength (ASTM C109)	≥29 N/mm² @ 28 days
Flexural Strength (ASTM C580)	≥4 N/mm² @ 28 days

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

LAVAFINISH achieves coverage of 5.3 kg/square meter @ 3.0 mm thickness
*Coverage rate is an approximate value, and subject to actual site conditions.

Yield:

16.0 Ltr. per 25 Kg. bag LAVAFINISH when mixed with 5.25 liters of water

Packaging:

LAVAFINISH is supplied in 25 kg high quality recyclable paper bags.

Storage Conditions:

LAVAFINISH to be stored in original packing in dry conditions away from direct sunlight and high humidity levels.

Shelf Life:

LAVAFINISH can be utilized within 12 months of production date if stored in proper conditions in an unopened original packing.

Cleaning:

Clean tools with water prior to product hardening. Hardened materials can only be removed mechanically.

Recommendations:

- Protect the surface from rapid evaporation of water.
- The product should not be used when the temperature is below 5°C. Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.
- The product should not be exposed to running water during application or prior to initial set
- For temperatures above 40°C, the following guidelines are adopted as good working practice:
  i. Store unmixed materials in a covered store to avoid exposure to direct sunlight.
  ii. Keep equipment cool, and arrange shade protection for the working area.
  iii. Try to avoid application during the hottest times of the day, and in direct sunlight.

Health and Safety:

- Avoid contact with eyes and skin. Wear suitable protective clothing such as coveralls, goggles, dust mask and gloves. Use barrier cream. Ensure that there is adequate ventilation. Do not breathe vapour or spray mist.

FIRST AID:

Eyes:	In the event of accidental splashes, flush with warm water and seek medical advice.
Skin:	Wash skin thoroughly with soap and water
Inhalation:	Remove to fresh air, keep patient rested
Ingestion:	Do not induce vomiting. Seek immediate medical attention.

For further safety information, please refer to LAVAFINISH Material Safety Data Sheet.

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