

Technical Data Sheet

LAVAFINISH FL

Polymer Modified Skim Cementitious Fairing and reprofiling coat

Description:

LAVAFINISH FL is a premixed, cementitious, polymer modified, shrinkage-controlled skim coat product applied for fairing of voids 3 mm up to 8 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:

- To produce a smooth surface for substrate.
- As a re-profiling layer over substrate in closed areas such as staircase-landings, service room, etc.
- As a minor repair for defects of concrete flooring.
- Skim coat for walls and columns.
- Honeycombing filler for soffits and surfaces.
- Smoothing of concrete substrates.
- Re-profiling concrete elements.

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.

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 compounds. Before applying LAVAFINISH FL, 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 4.5-4.75 liters of clean water into the mixing container and add slowly full 25 kg bag of LAVAFINISH FL, 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 and not water to powder. Avoid adding additional water after the mixture is homogenous and ready for use.

Application:

Apply LAVAFINISH FL manually with a trowel or spatula to the saturated surface of concrete “SSD”, in layer with maximum thickness of 8 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 FL can be applied on fiber mesh layer if high mechanical resistant plaster is required.

After application, avoid rapid evaporation of applied skim coat. Use clean water for curing or apply a coat of a curing agent, from the MATEX product range. Consult with MATEX Technical Department for further instructions.

Standards:

- EN 1504-9
- BS 2992-207
- ASTM C109, C580

LAVAFINISH FL

TECHNICAL PROPERTIES	
Appearance	Cement Grey
Wet Density	2.0 ± 0.03 kg/lit
Temperature of Application	From 5°C to +40 °C
Workability of mixture	>30 minutes @ 25°C
Application Thickness	3 mm up to 8 mm
Adhesion bond to concrete (BS 1881-207)	>1.5 N/mm ²
Compressive Strength (ASTM C109)	>30 N/mm ² @ 28 days
Flexural Strength (ASTM C580)	>5 N/mm ² @ 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 FL achieves coverage of 5.0 square meter @3.0 mm thickness

*Coverage rate is an approximate value, and subject to actual site conditions.

Yield:

15 Liter for 25 Kg. bag of LAVAFINISH FL with 4.75 liter water.

Packaging:

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

Storage Conditions:

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

Shelf Life:

LAVAFINISH FL 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.

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 FL Material Safety Data Sheet.

MATEX Rev.07-0223

MATEX warrants that its products are free from material and manufacturing defects. Instructions on how to use the product should be strictly followed to ensure effectiveness and safe use. MATEX shall not be liable either directly or indirectly for any damages to personal, equipment or products that may occur as a consequence of the failure of any products application because it has no direct or continuous control over where or how its products are applied. It is the user's responsibility to acquire always the updated version of datasheets.

