

# 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 up to 10mm. 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 liters of clean water into container and add slowly LAVAFINISH powder bag contents. Mix using spiral paddle fitted to slow speed heavy duty mixer for few minutes till a homogeneous lump free consistency mix is achieved. Always add powder to water and not water to powder. Avoid additional water after the mixture is homogenous and ready for 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 clean water for curing or apply a coat of a curing agent, from the MATEX product range where specified. Consult with MATEX Technical Dept. further instruction.

### Standards:

LAVAFINISH conforms to:

- ASTM C 109, C 580, C 1583

# LAVAFINISH

TECHNICAL PROPERTIES	
Appearance	: Cement Grey
Wet Density	: 1.8 kg/ Lt
Temperature of application	: From 5°C to +40 °C
Adhesion bond to concrete	: 1.5 N/mm <sup>2</sup> at 28 Days
Application thickness	: Up to 10 mm
Workability of mixture	: >30 minutes @ 25°C
Compressive strength	: 29 N/mm <sup>2</sup> @ 28 days
Flexural strength	: 4 N/mm <sup>2</sup> @ 28 days

## Coverage:

LAVAFINISH achieves coverage of 5.4 kg/square meter @ 3.0 mm thickness

## Yield:

16.8 Ltr. per 25 Kg. bag

## 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 unopened original packing.

## Cleaning:

Clean tools with water prior to product hardening.

## 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 moving 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:

- Use goggles and gloves during application. Do not breathe vapor of products. Use only in well ventilated areas.
- Avoid contact with eyes or skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical help.

MATEX Rev.09-0121

This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied.

