

LAVAFINISH

Single Component Polymer Modified Fairing

Description:

LAVAFINISH is a polymer modified cementitious fairing mortar. It is composed of high resistant cement, silica sand and polymers, special chemical additives. LAVAFINISH is designed to produce a fair faced appearance finish when applied on concrete surfaces. It can be applied on vertical and overhead surfaces to infill honeycombing and void up to 3 mm deep.

LAVAFINISH is supplied as a ready to use dry powders requiring only the site addition of clean water to produce a highly consistent cementitious fairing mortar. The mix performs like a paste material and can be applied and handled easily. The product is non shrink and fully compatible with all MATEX range of concrete repair products.

Applications:

LAVAFINISH is designed for applications on concrete or masonry surfaces in many applications including:

- To produce a smooth fair faced surfaces prior to applying decorative coating.
- For cosmetic repair fairing coat after major concrete repair is executed.
- Skim coat for precast walls and columns elements.
- Honeycombing filler for soffits and surfaces.
- As a minor repair product for defected concrete elements.
- As a general re-profiling layer over large areas.

Advantages:

- Single component, requires addition of water only.
- Smooth, easily producing fair faced finish.
- Excellent bond to all concrete substrates.
- Shrinkage compensated.
- Highly smooth finished layer.
- Applicable in low thicknesses.
- Re-coatable and receives other cement products.

- Polymer modified. Provides extremely low permeability to water, carbon dioxide and chlorides.
- Contains no chloride admixtures.

Instructions for Use:

Surface Preparation:

Preparation of cementitious surfaces for touch up should ensure the removal of all grease, contaminants, oil, curing compound, and loose material. For old concrete profiling, or for filling honeycombed areas, Use a steel brush to remove contaminants, laitance and weak cement particles. Soak the substrate with water, and allow excess water to evaporate. Application of repair mortars over dry concrete surfaces without saturation with clean water "SSD" will result in failure of product and defect in repair.

Mixing:

To prepare the mortar, pour 5.0 liter of clean water into container and add slowly LAVAFINISH powder bag content (25 Kg). 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 adding thinning 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". The applicable layer thickness of the product is 1-3 mm and can be applied in more than one layer. Leave the surface rough if the application of following layers is needed. In case high mechanical resistant thin plaster is required, LAVAFINISH must be reinforced with ARMOGLASS fiber glass mesh.

When smoothing the final coat, ensure to use very clean trowel or spatula to avoid scratching in the fairing coat. Do not spray water on semi dry surface to facilitate the smoothing of the surface. This wrong

LAVAFINISH

practice weaken the cement strength at the surface and turn it into powder.

Curing cementitious repair products is essential, after application, avoid rapid evaporation of applied coat. Apply clean water for curing for two days or apply a coat of a recommended MATEX curing agent. Consult with MATEX Technical Department for further instructions.

Standards:

LAVAFINISH conforms to:

- ASTM C109, C348, C190, C1583 & D2369

TECHNICAL PROPERTIES	
Appearance	: Cement Grey Powder
Dry Density	: 1.60 kg / Lt.
Mix Density	: 1.75 kg / Lt
Temp. of application	: From +5°C to +35°C
Adhesion bond to concrete	: 1.6 N/mm ²
Application Thickness	: 1-3 mm
Pot-life-time of mixture	: 40 minutes @ 25°C
Compressive strength	: 23 N/mm ² @ 28 days
Flexural strength	: 6.0 N/mm ² @ 28 days
Tensile Strength	: 2.0 N/mm ² @ 28 days

Packaging:

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

Coverage:

LAVAFINISH achieves coverage of 1.60 kg/square meter @ 1.0 mm thickness.

Storage Conditions:

Store 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.

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.

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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.

