

LAVAREP RE

Polymer Modified Skim Coat

Description:

LAVAREP RE is a premixed, cementitious, acrylic polymer modified, shrinkage controlled skim coat product applied for fairing of voids from 3 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.

Applications:

- 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 LAVAREP RE, 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 - 5.0 liters of clean water into container and add slowly LAVAREP RE 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 adding thinning water after the mixture is homogenous and ready for use.

Application:

Apply LAVAREP RE manually with a trowel or spatula to the saturated surface of concrete "SSD", in layer with thickness from between 3 to 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.

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

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

For further information on particular application, contact MATEX Technical Department.

Standards:

LAVAREP RE conforms to:

- ASTM C109/109M-02, C348, C190, C1583, D2369

LAVAREP RE

TECHNICAL PROPERTIES	
Appearance	: Cement Grey
Dry Density	: 1.65 kg/ Lt.
Wet Density	: 1.8 kg/ Lt
Temperature of application	: From 5°C to +40 °C
Adhesion bond to concrete	: 1.5 N/mm ²
Application thickness	: 3-10 mm
Pot-life-time of mixture	: 40-45 minutes @ 25°C
Compressive strength	: 26 N/mm ² @ 28 days
Flexural strength	: 4 N/mm ² @ 28 days
Tensile strength	: 1.6 N/mm ² @ 28 days

Coverage:

LAVAREP RE achieves coverage of 5.0 kg/square meter @ 3.0 mm thickness

Packaging:

LAVAREP RE is supplied in 25 kg high quality recyclable paper bags.

Storage Conditions:

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

Shelf Life:

LAVAREP RE can be utilized within 18 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.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical help.

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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.

