

LAVAPOXY FL

Three Part Epoxy Floor Repair Mortar

Description:

LAVAPOXY FL is a solvent free, three components, medium finish high quality epoxy based repair of structural defects. It is composed of epoxy resin and specially selected fillers suitable for gap filling and for leveling minor imperfection in concrete substrate up to 10mm thickness.

Applications:

LAVAPOXY FL is suitable for repair applications including:

- Touch up of concrete from 4-10 mm.
- Level irregularities in stair steps prior to applying any epoxy.
- Repair of large floor areas with undulation less than 10mm.
- Patching defected area up to 15mm
- Filling static cracks in floors
- To produce a smooth surface for substrate.
- As a minor repair for defects of concrete flooring.
- Smoothing of concrete substrates.

Advantages:

- Easy to mix and apply.
- Excellent bond to all concrete substrates.
- Non-shrinkage, solvent free product.
- High compressive strength with excellent abrasion and impact resistance.
- Excellent workability.
- Chemical resistant against oil, grease, salt, mild acids and alkalis, sewage, ammonia, etc.
- High corrosive resistance.
- High smooth finished layer.
- Applicable in low thicknesses.
- Ideal solution to fill and smoothen large damaged substrates.

Instructions for Use:

Surface Preparation:

Preparation of cementitious surfaces for touch up should ensure the removal of all grease, contaminants, oil and loose material, for repair of honey combing on fair face. Make sure concrete surface has no curing compound film.

Before applying LAVAPOXY FL ensure that substrate is fully cured, dry and has no moisture content.

Mixing:

LAVAPOXY FL is supplied as a kit containing three pre-weighed component ready for onsite mixing, resin (part A), hardener (part B) and filler (part C). First, the two resin components A and B should be stirred separately for two minutes to ensure that the contents are blended thoroughly. Then add contents of part B (hardener) to part A (base) contents, and mix thoroughly for few minutes and slowly add the contents of part C (filler) while mixing till a homogeneous lump free consistency mix is achieved. Avoid adding thinner to the mixture, the product is designed to be ready for use.

Application:

Apply LAVAPOXY FL manually with a trowel, filling knife or spatula to the prepared surface of concrete. The applied thickness depends on substrate profile. The range of thickness will vary 4-10 mm. LAVAPOXY FL mix is workable which makes it easier to obtain smooth finish on floor. Ensure very clean trowel or spatula to avoid scratching in the finished coat. Ensure proper coverage and proper pushing into cracks and pin holes when repairing static cracks in concrete floors. LAVAPOXY FL can be applied to floors for repair in skim coat layer or in batch repairs to defected areas.

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Standards:

LAVAPOXY FL conforms to:

- BS 6319, Part 2, BS 6319, Part 7
- ASTM D4541

TECHNICAL PROPERTIES	
Appearance	: Light Grey
Mix Density	: 1.80 Kg. / Lt.
Temp. of application	: From +5°C to +35°C
Adhesion bond to concrete	: ≥ 1.8 N/mm ²
Application Thickness	: 4-10 mm
Pot life time of mixture	: 60 minutes @ 25°C
Compressive strength	: 80 N/mm ² @ 7 days
Flexural strength	: 27 N/mm ²
Recoating Interval	: 80- 24 hours
LAVAPOXY FL	: Chemical resistant to mild acids, alkali solutions, sea water, oils and detergents
Solid Contents	: 100%

Coverage:

LAVAPOXY FL: 2.00 Kg. achieves 1.0 square meter @ 1.0 mm thickness.

Packaging:

LAVAPOXY FL is supplied in 25 kg three part kit.

Storage Conditions:

Store in original packing in dry conditions away from direct sunlight and in temperature controlled warehouse.

Shelf Life:

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

Cleaning:

Clean tools with ARMOSOLVENT 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.
- Avoid direct contact with flames and fire.

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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.

