

LAVAPOXY FL

Three Part Epoxy Floor Repair Mortar

Description:

LAVAPOXY FL is a solvent free, three components, medium finish high quality epoxy-based material for 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.

Uses:

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 endulation less than 10mm.
- 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.
- Applicable in low thicknesses.
- Ideal solution to fill and smoothen large damaged substrates.

Instructions for Use:

Surface Preparation:

The substrate must be clean, sound, free from grease, friable material, curing compound etc. Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying to remove cement laitance and achieve an open textured surface. Weak concrete must be removed & surface defects such as blow holes and voids must be fully exposed. The concrete must be fully cured.

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. Do not add 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 from 4-10 mm. LAVAPOXY FL mix is workable which makes it easier to obtain smooth finish on floor. Work out the material thoroughly in cracks and pinholes while repairing the concrete substrate or floor. LAVAPOXY FL can be applied to floors for repair in skim coat layer or in batch repairs to defected areas.

LAVAPOXY FL

Standards:

- EN 1504-3, ASTM D4541, ASTM C579, ASTM C580

TECHNICAL PROPERTIES	
Appearance	Light Grey
Mix Density	2.02 ± 0.03 kg/lit
Potlife time of mixture	60 minutes @25°C
Temperature of Application	From +5°C to +40°C
Application Thickness	1-10 mm
Recoating interval	80 – 24 hours
Adhesion bond to concrete (ASTM D4541)	≥2.0 N/mm ²
Compressive Strength (ASTM 579)	80 N/mm ² @ 7 days
Flexural Strength (ASTM C580)	27 N/mm ²
Chemical Resistance	mild acids, alkali solutions, sea water, oils and detergents
VOC	<15 g/lit

*Values indicated may vary depending on the environment and conditions of the material. Figures given are tested according to standard laboratory conditions.

Coverage:

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

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

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 an unopened original packing.

Cleaning:

Clean tools and equipment with ARMOSOLVENT 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 LAVAPOXY FL Material Safety Data Sheet.

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