

# LAVAPOXY FINISH

## Two Parts Epoxy Repair Fairing Coat

### Description:

LAVAPOXY FINISH is a solvent free, two components, smooth, high-quality, epoxy-based putty for repair of structural defects. It is composed of epoxy resin and specially selected fillers. When mixed, it becomes thixotropic and suitable for crack repair, gap filling, and for fair face concrete repair.

### Uses:

LAVAPOXY FINISH is suitable for repair for surfaces including:

- Crack repairs in structural components, like bridges, industrial structures, columns, beams, foundations, walls and floors slabs.
- Filling pinholes prior to over coating.
- Touch up of fair face concrete.
- Skim coat for walls and columns.
- Honeycombing filler for soffits.
- Re-profiling of expansion joints.
- Re-profiling of concrete elements.
- Anchoring rebar elements vertically and horizontally.
- Repair of concrete floors prior to epoxy, Polyurethane systems application.
- Used as mortar bedding in manhole chambers.

### Advantages:

- Two parts pre-measured kit. Easy to mix and apply.
- Excellent bonding to all concrete substrates.
- Non-shrinkage, solvent free product.
- High compressive strength with excellent abrasion and impact resistance.
- Chemical resistant against oil, grease, salt, mild acids and alkalis, sewage, ammonia, etc.
- Highly smooth finished layer.
- Applicable in low thicknesses.
- High corrosive resistance.
- Low viscosity, non-slump. Can be easily applied on vertical and overhead surfaces.

### 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.

#### Mixing:

To prepare the epoxy mix, stir first the base and the hardener separately for 30 seconds. Empty the contents of part B (hardener) to part A (base) contents, and mix thoroughly for few minutes till a homogeneous lump free consistency mix is achieved. Use low speed electric drill fitted with suitable paddle for mixing. Do not add thinner to the mixture.

#### Application:

LAVAPOXY FINISH is designed to fill pin holes and for re-profiling and leveling irregularities in concrete surfaces prior to applying any epoxy coating system. Application thickness depends on substrate profile. The range of thickness will vary from feather edge up to a maximum of 3 mm.

Apply LAVAPOXY FINISH with a trowel, filling knife or spatula to the prepared surface of concrete. LAVAPOXY FINISH mix is thixotropic and workable which makes it easier to obtain smooth finish. Ensure very clean trowel or spatula to avoid streaks in the finished coat. Work out the material thoroughly in cracks & pinholes while repairing the concrete substrate or floor. LAVAPOXY FINISH can be applied to floors for repair in skim coat layer or in batch repairs to defected areas.

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## Standards:

- EN 1504-3
- BS 6139-2, 6319-7
- ASTM D4541, C580, 579

TECHNICAL PROPERTIES	
Appearance	Light Grey
Mix Density	1.85 ± 0.03 kg/lit
Potlife of mixture	>60 minutes @25°
Temperature of Application	From +5°C to +35°C
Recoating interval	After 24 hours
Application Thickness	1-3 mm
Adhesion bond to concrete (ASTM D4541)	≥2.0 N/mm <sup>2</sup>
Compressive Strength (ASTM 579)	>65 N/mm <sup>2</sup> @ 7 days
Flexural Strength (ASTM C580)	>20 N/mm <sup>2</sup> @7 days
Lavapoxy Finish	Chemical resistant to mild acids, alkali solutions, sea water, oils and detergents
VOC	<20 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:

1.0 Ltr. of LAVAPOXY FINISH achieves 1 square meter @ 1.0 mm thickness.

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

## Packaging:

LAVAPOXY FINISH is supplied in 4 liter two parts metal container.

## Storage Conditions:

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

## Shelf Life:

LAVAPOXY FINISH can be utilized within 12 months of production date if stored in a covered, temperature-controlled warehouse and 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 FINISH Material Safety Data Sheet.

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