

LAVAPOXY FINISH

Two Parts Epoxy Repair Fairing Coat

Description:

LAVAPOXY FINISH is a solvent free, two components, smooth finish 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.

Applications:

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:

Preparation of the concrete surface for repair should ensure the removal of all grease, contaminants, oil and loose material and curing compound. Concrete should be completely 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. Avoid adding thinner to the mixture.

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 5 mm.

Application:

Apply LAVAPOXY FINISH mix manually 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 scratching in the fairing coat. Ensure proper coverage in fairing procedure and proper pushing into cracks and pin holes when repairing static cracks in concrete elements or floors. LAVAPOXY FINISH can be applied to floors for repair in skim coat layer or in batch repairs to defected areas.

Standards:

LAVAPOXY FINISH conforms to:

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

LAVAPOXY FINISH

TECHNICAL PROPERTIES:	
Appearance	: Light Grey
Mix Density	: 1.65 kg/ Lt.
Temperature of application	: From +5°C to +35°C
Adhesion bond to concrete	: ≥ 1.8 N/mm ²
Application Thickness	: 1-3 mm
Pot-life-time of mixture	: 90 minutes @ 25°C
Compressive strength	: 65 N/mm ² @ 7 days
Flexural strength	: 25 N/mm ²
Recoating interval	: After 24 hours
Lavapoxy Finish	: Chemical resistant to mild acids, alkali solutions, sea water, oils and detergents
Solid Contents	: 100%

Coverage:

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

Packaging:

LAVAPOXY FINISH is supplied in 1 liter and 4 liter two parts metallic containers.

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 unopened original packing.

Cleaning:

Clean tools with MATEX SOLVENT 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.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical help.

MATEX Rev.00-1015

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.

