

LAVAPOXY RE

Two Part Epoxy Re-profiling and Repair Fairing Coat

Description:

LAVAPOXY RE is a solvent free, two components, coarse 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 re-profiling of concrete surfaces, bedding, gap filling, concrete repair and for leveling minor imperfection in concrete surfaces up to 6mm thickness.

Uses:

LAVAPOXY RE is suitable for re-profiling and repair applications including:

- Dry static crack filler for repairs in structural components, like bridges, industrial structures, columns, beams, foundations, walls and floor slabs.
- Touch up of concrete from 1.0-6.0 mm.
- Filling honeycombing.
- Re-profiling of expansion joints and concrete elements.
- Anchoring rebar elements vertically and horizontally.
- Repair of Concrete floors prior to epoxy, polyurethane systems application.
- Used as bedding mortar for bridge beams or steel bridges bearing.
- Used as mortar bedding in manhole chambers.
- To re-profiling and leveling irregularities in concrete surfaces prior to applying any epoxy.

Advantages:

- Two part pre measured kit. 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.

- Chemical resistant against oil, grease, salt, mild acids and alkalis, sewage, ammonia, etc.
- Highly smooth finished layer.
- Applicable in thicknesses 1 mm up to 6 mm.
- 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.

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

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:

Apply LAVAPOXY RE 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 feather edge up to a maximum of 6 mm. LAVAPOXY RE 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 and pinholes while repairing the concrete substrate or floor.

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LAVAPOXY RE can be applied to floors for repair in skim coat layer or in batch repairs to defected areas.

Standards:

- EN 1504-3
- ASTM D 4541, C579, C 580
- BS 6319-2

TECHNICAL PROPERTIES	
Appearance	Light Grey
Mix Density	1.70 ± 0.03 kg/lit
Potlife time of mixture	60 minutes @25°C
Temperature of Application	From +5°C to +40°C
Application Thickness	1.0 – 6.0 mm
Recoating interval	24 hours
Adhesion bond to concrete (ASTM D4541)	≥2.0 N/mm ²
Compressive Strength (BS 6319 part 2)	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
Solid Content	100%

Coverage:

1.0 litre of LAVAPOXY RE achieves 1 square meter @ 1mm thickness.

Packaging:

LAVAPOXY RE is supplied in 4 Ltrs. two-part metal containers.

Storage Conditions:

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

Shelf Life:

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

Cleaning:

Clean tools 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 RE Material Safety Data Sheet.

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