

214 CIS EPOXY GROUT

TWO COMPONENT EPOXY GROUTING

PRODUCT CATEGORY: EPOXY GROUTING SYSTEM

PRODUCT DESCRIPTION

214 CIS Epoxy grout is used to inject cracks in concrete floors, because it provides penetration, shrink free, strong bonding inside the cracks and excellent resistance to honey combing & chemicals. 214 CIS Epoxy grout is two component epoxy injection material composed of very low viscous liquid epoxy base & a hardener component

ADVANTAGE

- Excellent bond to concrete substrate, brick substrate
- Low viscosity, Deep penetration,
- Chemical Resistant formula
- Suitable for damp surface and dry walls

AREA OF APPLICATION

- Permanent bonding solution for concrete cracks.
- Repair of crack concrete areas in floors, walls, tanks
- Injection in to cracks & honey combing in concrete & masonry.
- Anchoring

METHOD OF APPLICATION

SURFACE PREPARATION

- Surface must be strong, dry, clean & free from dust, oil, grease, curing compounds, coatings & other loose materials. For better performance sand blasting, high pressure water jet cleaning, hydrochloric acid etching, mechanical grinding (by pneumatic tools) & wire brushing may be done. wall or substrates free from acid. In case of acid etching, wash the surface till neutralization.
- Open the cracks & clean by blow of oil free air to ensure complete removal of dust & loose particles.



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FIXING OF NOZZLES

- Install injection port in case of Injection Packer, drilled hole larger than packer size & depth at least 1/3 of structural thickness
- Install injection port along the length of etch crack. The distance between each nipple will depend on width & depth of crack. spacing should be close enough to ensure that the resin penetrates along the cracks till the next point of injection. - In case of Injection packer, insert packer to the drill holes and fix tight to the hole - In case of Injection nipple, use CIS Epoxy grout to fix nipple to crack surface
- The surface of the cracks in between the nipples should be sealed with CIS Epoxy grout about 30 mm wide & 2-3 mm thick band. Incase the crack is through & through of a wall or slab, cracks at both the sides must be sealed in similar . First fix the nozzles in the front portion crack, then fix the nozzles at midway points of the front nozzles. This ensures complete filling of grout into crack & surrounding areas.
- The repaired work shall be allowed to cure for at least 10 hrs at 35 0C, at low temperature of 10-12 0C curing time is extended and the applicator must ensure that the surface sealant has adequately cured prior to continuing the work.
- One end of the injection hose shall be attached to the lowest nipple on vertical cracks or to either end of the horizontal cracks. Alternative methods of resin injection are currently in use, they include the system where injection nipples are bonded to the substrate.

MIXING

Thoroughly mix the entire hardener and base resin contents until the liquids become clear
Injection

- 214 CIS Epoxy grout should be used with standard injection equipment having closed containers. The injection pressure should be at least 0.2 N/mm² (2 bar).
- Only mix sufficient resin that can be used within the pot life of the materials.
- After completion of the injection work, the injection system shall be allowed to cure for 24 hours and shall be left undisturbed for this time

PRECAUTIONS & LIMITATIONS

- Use the material within the pot life expiry period.
- Mix entire pack quantity.
- Do not dilute the material with solvents to reduce the viscosity.
- Ensure that nozzles are fixed properly without any air leakage.
- Do not add water or any solvent in material

STANDARD COMPLIANCE / SPECIFICATION

Meets the requirement of BS 6319 & ASTM C 881 standards

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SHELF LIFE & STORAGE

12 months from in unopened condition. store in a cool, dry place

SAFETY PRECAUTIONS

- As with all chemical products, caution should always be exercised. Protective clothings, such as gloves and goggles, should be worn.
- Treat any contact to the skin or eyes with fresh water immediately. should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.
- Reseal all containers after use and ensure product is stored as instructed.
- Do not smoke when handling this product.
- Do not inhale.

PACKING

3.2 kg. Set (A+B)