

REC EPO INJECTION 54

LOW VISCOUS EPOXY INJECTION RESIN GROUT

DESCRIPTION

REC EPO INJECTION 54 is Epoxy Injection Grout consists of solvent free epoxy resin with low viscous liquid hardener. Epoxy injection grout may be placed by free flow under gravity or may be injected using suitable hand or mechanical pump. Grouting of a gap dimensions 0.1mm to 10mm may be easily achieved.

PRIMARY APPLICATION

- Crack injection application.
- Filling and bonding of cracked concrete.
- Structural support where thin section grouting is required Structural support where dynamic load resistance is required.
- Bonding of lifted floor toppings.

FEATURES/BENEFITS

- Low viscosity and rapid strength gaining High mechanical strength.
- Non shrink.
- Good Chemical resistant.

TECHNICAL INFORMATION

Pot life @ 25 degree C	30 minutes
Mixed Viscosity	200 cps
Density	1.05-1.10
Compressive strength	80 N/mm ²
Flexural strength	35 N/mm ²

DIRECTIONS FOR USE

SURFACE PREPARATION

Ensure that grouting surfaces are free from dust and oil contamination
Small gaps may be blown out by using clean dry compressed air
Steel should be free of rust and flaking mill scale
All work surfaces must be dry

MIXING

Add entire content hardener into base
Mix thoroughly for 2 minutes with slow speed stirrer until to get homogeneous

PLACING

Pouring Under Gravity

For supporting structures, where epoxy injection grout is being poured under gravity, the use of a grout tight shutter is essential. This may be constructed from timber and sealed using fast set mortar. Apply a mold releasing agent to the form work surfaces which will affect release after the grout has hardened.

CRACK INJECTION

Drill and fix suitable injection tubes at approximately 600mm centers along the crack line using fast set mortar for fixing the tubes and facing up the crack. Use low pressure pump to inject mixed grout starting at the lowest point of the crack and work upwards to the highest point sealing off each injection point in turn. Allow grout to cure for at least 24 hours. Cut off external parts of injection tubes and tools and equipment should be cleaned with solvent prior to grout setting.

PACKAGING

REC EPO INJECTION 54 is sold in a 600ml dual cartridge and 9kg.

STORAGE

REC EPO INJECTION 54 as supplied shall be stored in a cool and dry place away from sunlight, moisture and high humidity and have a shelf life of 12 months in the original packing.

HEALTH & SAFETY

REC EPO INJECTION 54 contains organic resins and hardeners which may cause sensitization by skin contact. Avoid contact with skin and eyes and inhalation of vapor. In case of contact, wash liberally with water and seek medical advice, if required. Wear suitable protective clothing, gloves and goggles while handling. **REC EPO INJECTION 54** is inflammable. No naked flame should be allowed near the site. Do not smoke during use.

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