CHEMfix
Construction Chemicals

Technical Datasheet

CHEMfix 55

Low Viscosity, Moisture-Tolerant, Epoxy Injection

Description

CHEMfix 55 epoxy injection resin in a two component consists of a base component containing solvent free epoxide resin plus a low viscosity liquid hardener. **CHEMfix 55** may be placed by free flow under gravity or may be injected using a suitable hand or mechanical pump. Grouting of gap dimensions 0.1mm to 10mm may be easily achieved. The system gives rapid strength gain obtaining mechanical properties several times those of high quality concrete. The product is non-shrink enabling complete fill of the grouting area. The hardened grout is resistant to most chemicals, stable to sea water, petroleum products and resists freeze thaw cycles.

TECHNICAL INFORMATION

Color : Amber

Density : 1.05 kg/litre

Mix ratio (Part A:Part B) : 2 : 1 by weight

Advantages

- Suitable for structural crack repairs
- Low viscosity allows penetration into the finest cracks
- Non-shrink, adheres with no loss of bond
- System includes everything necessary to complete the crack injection
- Safe and clean to use
- Cost effective and efficient repair

Uses include

- Crack Injection Applications
- 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.

Technical Support

CHEMfix provides a comprehensive technical support service to specifies, end users and contractors and is able to offer on-site technical assistance

Instructions for Use

Placing Crack Injection. Drill and fix suitable injection tubes at approximately 300mm centers along the crack-line using **CHEMfix 900** for fixing the tubes and facing up the crack. Allow prepared crack system to harden, approximately 6 hours at 20°C. Use a 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. Place the mixed grout within the useable time as given in Useable Time data. At the end of the useable time the mix will start to generate a great deal of heat. At this time any unused material should be mixed with sand to reduce the heat output and discarded. Allow grout to cure for at least 24 hours. Cut off external parts of injection tubes and make good with CHEMfix 900. Tools and equipment should be cleaned with Solvent prior to grout setting.

Curing No: special curing practice is required

Packaging & Storage

CHEMfix 55 is supplied in 5 kg pack and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

CHEMfix 55 does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting. For further information refer to the Material Safety Data Sheet available for this product.

Important note

CHEMfix endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as **CHEMfix** has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all **CHEMfix** technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.