

# CHEMfix 40

General Purpose epoxy grout

## DESCRIPTION

**CHEMfix 40** is a solvent free 3 component general purpose epoxy resin grout for static and dynamic loads, structural applications including grouting of machinery foundations heavy duty support for crane and rails, machineries subject to heavy and dynamic loads etc.

## ADVANTAGES

- Free flowing
- Non-shrink
- Helps in rapid installation and gains high strength
- Capable of transmitting high stresses
- Capable of withstanding repetitive dynamic loading
- High compressive, flexural and tensile strength

## FUNCTION

**CHEMfix 40** develops a slight but controlled expansions, beginning at the time of placement, resulting in excellent dimensional stability. Because of its non-shrink characteristics, it remains stable in place without cracking, crumbling or delamination.

## Standards Compliance

**CHEMfix 40** Compiles with the requirements of the following standards  
ASTM C579-01 Method B  
ASTM C580:93  
ASTM C307:94

## USES

**CHEMfix 40** is ideally suitable for Jacketing applications.

**CHEMfix 40** is recommended for strengthening the existing concrete elements like columns, beams, foundation members etc especially in vertical applications.

**CHEMfix 40** can be used as a high strength grout for installation and early commissioning of equipments.

**CHEMfix 40** can be used for filling very small gaps i.e. from 0.25mm to 120mm because of its very low viscous nature.

**CHEMfix 40** can serve as a structural repair system along with concrete and steel members.

## TECHNICAL INFORMATION

Supply Form: Liquid & Powder

Type : 3 Components

Pot Life : 20 to 30 minutes at 35°C

Application Temperature: 10°C to 55°C

### CURING

Hardening Cure 2 days

Final Cure 6 to 7 days

Compressive Strength

1 day 30 (N/mm<sup>2</sup>)

3 days 65 (N/mm<sup>2</sup>)

7 days 90 (N/mm<sup>2</sup>)

Flexural strength (N/mm<sup>2</sup>)

7 days 32 (N/mm<sup>2</sup>)

Adhesion on concrete

14 days 4 (N/mm<sup>2</sup>) } Concrete Failure

Adhesion to steel

14 days 16-20 (N/mrn<sup>2</sup>) DIN53232



# Technical Datasheet

## METHOD OF APPLICATION

Depending on site conditions and specific site requirements, the product will be supplied with modification to help ease in application. Consult **CHEMfix** technical cell for specific application procedure.

## SURFACE PREPARATION

### Foundation or concrete surface

All surfaces must be free from oil, grease, laitance remnants of curing compounds or shuttering 'Oil, water and loosely adherent materials. All dust must be cleaned and pit holes, fixing pockets should be blown clear of dirt.

### Steel Surfaces:

All steel surfaces should be made clear of rust and dust: it should be shot blasted or use any mechanical procedure to free of flaky mill scale etc.

### Form Work:

Form work provided or **CHEMfix 40** should be leak proof because all gaps would be filled up due to low viscous nature and will leak through the gap if it is not hardened.

**CHEMfix 40** is compatible with all types of concrete, cement based grouts, polymer modified cement system etc.

## COVERAGE

Yield/kg -0.50 liter

## PACKAGING

16 Kg packing consisting of Part A-Resin, Part B -Hardener, Part C – Filler

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

82, Great Eastern Street London EC2A 3JF. UK. Tel: 02-07-2477775 - 07-811155379 (Associated Company of I-Courier)

E-Mail: [info@chemfix.com.pk](mailto:info@chemfix.com.pk) Web Site:

[www.chemfix.com.pk](http://www.chemfix.com.pk), [www.chemfixnigeria.com](http://www.chemfixnigeria.com)