



# PACTOGrout EG 75

## High Strength Epoxy Resin Grout

### DESCRIPTION

PACTOGrout EG 75 is a solvent free, highly flowable, three component epoxy resin grout specially designed for heavy engineering grouting where dynamic loads are encountered.

### TYPICAL USES

PACTOGrout EG 75 is specially designed for grouting where mechanical and chemical properties are of utmost importance. It can be used for grouting heavy machinery base plates, compressors, generators, turbines, centrifugal pumps, bolt pockets, crane rails, bridge bearing, stanchion (steel column) base plates, pile head reprofiling and areas where rotary/reciprocatory movements are encountered. It is used as a grout media to transfer dynamic load effectively. Ideal for chemical plants, refineries, oil & gas, water industry, structural encasing, etc.

### ADVANTAGES

- Pre packed, ready to use
- Solvent free, no shrinkage
- High compressive, tensile & flexural strengths
- Creep resistant
- High mechanical strength
- Can be used from 10 mm to 75 mm in single layer without generating excessive exotherm
- Curing is not affected by high humidity
- Impact and vibration resistant
- Good chemical resistant
- Good adhesion to most of the surfaces

### TECHNICAL DATA (TYPICAL PROPERTIES at 25°C)

PROPERTY	TEST METHOD	VALUE
Component		Three: Part A -Base Part B -Hardener Part C -Filler
Mixed Form		Flowable

PROPERTY	TEST METHOD	VALUE
Colour		Black When Mixed
Mixed Density		2.00 kg/ liter/+/-0.05
Compressive Strength	BS 6319-2	75 N/mm <sup>2</sup> at 1 day 100 N/mm <sup>2</sup> at 7 days
Flexural Strength	BS 6319-3	30 N/mm <sup>2</sup> at 7 days
Tensile Strength	BS 6319-7	16 N/mm <sup>2</sup> at 7 days
Pot Life		45 mins (2 kg Mixed Material)
Hardening Time	ASTM C191-01a	3 hrs -5 hrs
Bond Strength	ASTM D4541	3 N/mm <sup>2</sup> at 7 days (Concrete failure)
Chemical Resistance	ASTM D 543	Resistance to alkalis, fuels, acids, oils, etc.

**N.B:** The above are approximate values under specific controlled conditions. They might vary according to site conditions and application procedures and temperatures.

### PACKAGING

12 ltr and 20 ltr set

### APPLICATION INSTRUCTION

#### SURFACE PREPARATION

All surfaces should be dry, clean, and free from standing water, grease, curing compounds, mould oils and all loosely adhering particles. Cement laitance should be removed by mechanical means. Roughen surfaces with chipping to ensure good bonding. Steel surfaces must be clean & rust-free.

#### MIXING

Mix base and hardener thoroughly with a slow speed drill (max 400 R.P.M.) for 1 minute in a suitable container. Add filler component slowly and continue mixing until a flowing uniform colour and consistency of grout is achieved.



## FORM WORK

The formwork should be watertight. Sealant can be used to seal gaps between form work and the concrete, as well as joints in the form work. Alternatively, PACTORep Water Plug can be used to fill the gaps between formwork and concrete.

## APPLICATION

Place the mixed grout within the potlife of the product. Bolt pockets should be grouted first. Stop the grout 5-10 mm below the top surface of the bolt pocket. Grouting of base plate should be carried out continuously. Ensure to have enough grout in place prior to starting. Start pouring the mixed grout from one side of the formwork to prevent entrapping of air. This can be achieved by pouring the grout to the shortest distance. During application ensure entrapped air is able to escape through relief holes. Maintain continuous head during the grouting. Grout flow should not be interrupted. Check for any grout loss through the form work or between any unsealed joints. Plug the same using PACTORep Water Plug. For difficult voids, a metal strap or chains may be used to assist grout flow. Use pumps or tremmie to fill bolt pockets.

## NOTE

**PACTOGrout EG 75** can be applied from 10 mm to 75 mm thickness in single layer. Grouting more than 75 mm thickness should be done in multiple layers as per site requirement. Before continuing with the second layer of grouting, ensure the previous layer has hardened and cooled. For grouting volume of more than 100 Liter at one go, to avoid excessive exothermal, use PACTOGrout MEG.

## STORAGE AND SHELF LIFE

Shelf Life 12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature/humidity may reduce shelf life.

## EQUIPMENT CLEANING

Clean all equipments and tools with PAC Cleaner immediately after use.

## HEALTH AND SAFETY

PPE's: Gloves, goggles & suitable mask must be worn.

Precautions: Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.

Hazard: Regarded as non-hazardous for transportation.

Disposal: Do not reuse containers. To be disposed off as per local rules and regulations.

For additional information please refer to MSDS, available on request.



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November 2018

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