

## TECHNICAL DATA SHEET

### CONFIX GROUT 40

#### *High-Strength Epoxy-Based Grout for Grouting Machine Base Plates*

##### PRODUCT DESCRIPTION

**CONFIX GROUT 40** is a high-strength grout, based on modified epoxy resin. It is used as heavy-duty grout where heavy dynamic, mechanical properties, and chemical resistance of the hardened grout are required. **CONFIX GROUT 40** is designed for grouting gaps ranging from 10mm to 40mm. The product is supplied as a 3-component system consisting of base resin, liquid hardener, and specially-graded fine aggregates. The components are supplied in the correct mix proportions for simple site mixing.

##### CUSTOMER BENEFITS

- Non-shrink – epoxy resin adheres to contact surfaces with no loss of bond.
- Dynamic load resistant – high flexural strength and adhesion to substrate ensure excellent performance under dynamic operating conditions.
- Chemical resistance – withstands a range of chemicals, acids, alkalis, oils, fats, fuels, and salt solutions.
- Rapid installation – pre-measured components, and easy mixing ensures speed of application.
- High strength – high compressive, tensile, and flexural strengths

##### AREAS OF APPLICATION

- Machinery with high dynamic loads and vibration
- Machinery base plates and crane rails where tensile strength greater than cementitious grout systems is required.
- In conditions prone to chemical spillage
- Manufacturing line equipment that must resume operations with minimum downtime.

##### TECHNICAL DATA

Compressive Strength :	3000 psi at 1 day 8,500 ± 500 psi at 7 days
Pot life :	20-30 mins
Tack Free time :	55-60 mins
Initial Cure time :	45-60 mins
Full Cure time :	12 hrs, 48 hrs load pressure

##### INSTRUCTIONS FOR USE

###### **SURFACE PREPARATION**

Ensure that all surfaces are sound, dry, and free from any contaminants that may prevent good adhesions. All dust must be removed to give a sound surface free from laitance. All surfaces must be substantially dry. All free-standing water must be removed.

All steel surfaces should be shot blasted free of rust and flaky mill scale.

Set up formwork as necessary. Ensure that all formwork joints and the interface at the base of the formwork are completely grout tight. Loss of grout once the material is placed, but not hardened, will result in incomplete filling of the gap.

For free flow conditions, it is essential to provide a hydrostatic head of grout.

###### **MIXING**

Mixing of **CONFIX GROUT 40** products should be carried out as follows:

The base (Part A) and hardener (Part B) should be mixed into the ratio provided and mixed until homogenous. Add the aggregate (Part C) and mix using a slow-speed power mixer for 2 – 3 minutes until a uniform color is achieved.

###### **PLACING**

Place the grout within its pot life. Continuous grout flow is essential. Sufficient grout must be available prior to starting and the time taken to pour a batch must be regulated to the time taken to prepare the next one. Pouring should be from one side of the void to eliminate the entrapment of air. The hydrostatic head must not be moved so that a continuous grout flow is achieved.

###### **CLEANING**

All tools and equipment should be cleaned with **EPOXY REDUCER** immediately after use.

##### COVERAGE

Recommended coverage:  
8 kg set yields 0.004 cubic meters (4 liters).

##### PACKAGING

**CONFIX GROUT 40** is available in 8 kg set comprising of resin base (Part A)-1.44kgs; hardener (Part B)-0.72 and aggregate filler (Part C)-5.84kgs.

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#### **STORAGE AND HANDLING**

**CONFIX GROUT 40** has a shelf life of 36 months minimum if maintained in dry storage conditions in unopened containers.

#### **PRECAUTIONS**

##### **HEALTH AND SAFETY**

If skin contact occurs, wash with soap and water. If skin irritation persists, seek medical attention. If material contacts the eyes, flush thoroughly with water and get medical attention immediately.

**CONFIX GROUT 40** is flammable.

Refer to the latest Safety Data Sheet (SDS) for comprehensive safety information on the proper handling of this product.

#### **WARRANTY AND DISCLAIMERS**

*The information provided in this technical data sheet is based on our best knowledge and testing methods. Any product use outside of specifications or improper storage or installation voids any warranty. Users are encouraged to conduct their own testing to assess product suitability. Always consult the product's safety data sheet (SDS) for safety guidelines and follow recommended precautions. We reserve the right to update this data sheet without notice, and users should ensure they have the latest information.*