



### Description

Dura Epoxy Grout is a three-component, 100% solids, high performance, epoxy based grout. It is characterized by low dust, high bearing area, low exothermic, negligible shrinkage and creep, fast cure and excellent flowability. Dura Epoxy Grout is for grouting gap thicknesses from 0.25 to 150 mm.

### Uses

For grouting under baseplates, crane rails, turbines where heavy dynamic loads are encountered and areas where chemical spillage may occur.

Typical applications include:

- Reciprocating machinery
- Testing equipment
- Heavy crane and transporter rails
- High speed turbines
- Centrifuges, Drop forges, Electroplating and chemical plants, Anchoring of steel bars

Dura Epoxy Grout is ideal for high stress applications in such industries like wind turbine, gas transmission, refining, chemical processing, pulp and paper, steel rail, marine and other machine base plate grouting applications in the heavy industrial equipment industries. New equipment installations or quick re-grouting applications subject to chemical attack and extreme vibration are ideal for Dura Epoxy Grout

### Advantages

- Low creep characteristics under sustained loading
- Resistant to repetitive dynamic loads
- Non-shrink, ensuring complete surface contact and bond
- High compressive, tensile and flexural strengths
- Two grades available for gap widths 0.25 - 150 mm
- High impact resistance.
- High early strength.
- High effective bearing area.
- Low exothermic cure for deep pour capability
- High oil and chemical resistance
- Excellent flowability
- Precision grouting with negligible shrinkage and creep
- Pre-measured units
- Easy soap and water clean up
- Typical Grout Properties @ 20°C

### Compressive Strengths

1 Day	58N/mm
3 Days	70N/mm
7 Days	78N/mm
Tensile Strength	21N/mm_ @ 7 Days
Flexural Strength	38N/mm_ @ 7 Days
Youngs Modulus	11.9kN/mm_ @ 7 days
Density	1950kg/m <sup>3</sup>
Usable Life	30 minutes after mixing
Thermal Compatibility	pass
Peak Exothermic	110° F



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## DURA EPOXY GROUT

TECHNICAL DATA SHEET

### Application instructions

#### Preparation

All contact surfaces must be free from oil, grease, free-standing water or any loosely adherent material. Concrete surfaces should be cut back to a sound base either by a grit blast or light scabble. All dust must be removed and bolt holes or fixing pockets blown clean of any dirt or debris.

#### Form preparation

Epoxy grouts require heavy duty forms. Forms should be coated with a minimum of two coats of an industrial grade paste wax to facilitate removal of forms after cure. Forms should have 45° angle chamfer strips at all vertical corners and horizontal grout grade elevation in order to eliminate sharp corners. Caulk, putty, or similar sealant should be used to render the forms "watertight". Forms should be designed to allow for a hydraulic head to facilitate the placement of Dura Epoxy Grout. Expansion joints shall be used suitable spacing in each direction to minimize the potential for cracking in epoxy grout.

#### Mixing

Pour all the contents of the hardener pack into the base container. Mix using a slow speed power drill and paddle until homogeneous. Pour all the resultant liquid into a container with a capacity of 15 to 25 litres. Add all the filler provided. Mix using a slow speed power drill and paddle for 2 minutes or until a uniform colour is achieved in the grout.

#### Placing

The mixed grout should be poured steadily from one side only to eliminate the entrapment of air. Continuous grout flow is essential. Sufficient grout must be available prior to starting. The time taken to pour a batch should be regulated to the time taken to prepare the next batch. After curing the unrestrained grout should be cut back below the bottom of the baseplate using a skill saw. Cleaning All tools and equipment should be cleaned immediately after use with Solvent. Spillages should be absorbed with sand or sawdust and disposed in accordance with local regulations.

### PACKAGING

A : 2.0 Kg Metal Pail

B : 1.0 Kg Metal Pail

C : 12.00 Kg Bag

#### Shelf Life

Dura Epoxy Grout have a shelf life of 24 months if kept in dry conditions at 20°C.