

## TRI- POXY GROUT

**High Strength Epoxy Grout.**

### Description

**Tri- Poxy Grout:** is a three component epoxy Provides a free flowing grout, for use where physical properties and chemical resistance of the hardened Grout are importance.



### Uses

**Tri- Poxy Grout:** It is suitable for a wide range of heavy duty applications including

- Under-plate grouting to substantial structural elements.
- Base plate grouting in dynamic load situations such as turbines and Other reciprocating machinery.
- Heavy industrial applications in steelworks, refineries chemical plants And electroplating work.
- Structural infill where very high compressive strength is required.

### Advantages

- Easy to apply.
- Solvent free odorless.
- Shrink free curing.
- High durable Compressive strength.
- Good bonding strength.

### Technical Data @°25c

DISCRETIONS	VALUE
Color	Grey
Solid Content (by weight)	100 %
Density	2.0± 0.20 kg/l
Mixing ratio (A: B: C) by weight	1.67 A: 1 B: 10.67 C (1 Epoxy: 4 filler)
Pot life	30 -45 min (decreases at higher temperatures)
Initial setting time	8 hours
Final setting time	24 hours
Full hardness	7 days
Min. Application temperature	10° C
Compressive strength (ASTM D-2566)	65-70 N/mm <sup>2</sup>
Tensile strength (ASTM D-638)	14-18 N/mm <sup>2</sup>
Flexural strength	22-28 N/mm <sup>2</sup>
Rate of use (theoretical)	0.5 -1 kg/ m <sup>2</sup> (depending on surface conditions)

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## TRI- POXY GROUT

### High Strength Epoxy Grout.

#### Under-plate grouting

The unrestrained surface area of the grout must be kept to a minimum. Generally, the gap between the perimeter form work and the plate edge should not exceed 75 mm on the pouring side and 25 mm on the opposite side. Form work on the flank sides should be kept tight to the plate edge. Air pressure relief holes should be provided to allow venting of any isolated high spots.

#### Formwork

The form work should be constructed to be leak proof as **Tri-Poxy Grout** is a free flow grout.

#### Foundation surface

All surfaces must be clean, dry and free from oil, grease and loosely adhering particles.

Cement laitance should be removed mechanically.

#### Base plate

If delay is likely before placing steel base plates, it is recommended that the underside and edge are coated with **Tri Zinc PII** to prevent rust formation and ensure bonding with the **Tri-Poxy Grout**.

All metal surfaces should be cleaned to a bright finish in accordance with Swedish Standard SA 2½ or equal.

#### Mixing

**Tri-Poxy Grout** is supplied in part A + Part B + Part C. Mix part A and Part B components pack in the mixing container using a slow speed electric drill until homogeneous. Add part C slowly while mixing. Mix for 5 minutes until homogeneous consistency is achieved.

#### Placing

Ensure that the grout can be placed 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 air entrapment.

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### Cleaning

Clean all equipments with Thinner immediately after use. Hardened materials can be removed mechanically only.

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### Package

A,B,C 20 kg pack



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## TRI- POXY GROUT

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### Shelf Life

The shelf life of the product is 24 months in unopened condition if stored As per the recommendations. Exposure to high temperature and humidity will result in considerable Deterioration of the product and reduce its shelf life.

### Storage

Store the material in a cool, covered dry place. Do not expose the pails to Direct sunlight and keep away from all sources of heat. The storage temperatures (10 – 30) C°

### Health and Safety

As with all construction chemical products, caution should always be exercised. Protective clothing such as rubber gloves, safety goggles and face mask Should be worn when handling the product. Treat any splashes to the skin or eyes with copious amount of fresh water. Should any of the products be accidentally swallowed, do not induce Vomiting, but call for medical assistance immediately.



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