



TufGrout EP

High Strength, Free Flowing Epoxy Resin Grout

Uses

- Used as a free flowing grout for use where physical properties and chemical resistance of the hardened grout are of utmost importance.
- Used for a wide range of heavy duty industrial applications in steelworks, refineries, chemical plants, etc.
- Used as a pile head waterproofing grout in civil applications.
- Used as base plate grouting in dynamic load situations.

Typical Applications & Advantages

- Used for bedding, grouting and void filling operations in depths between 20-80mm.
- Used in areas of equipment bases where chemical spillage occurs.
- High compressive, flexural and tensile strengths ensure a long working life.
- Easy to use and full pack mixing ensures that the performance characteristics are achieved.
- Non-shrink capability ensures full surface to surface contact.
- Excellent performance when used as pile head waterproofing grout.
- Excellent chemical resistance.

Standards Compliance

TufGrout EP complies with the requirements of the following standards:
ASTM C 579-01 Method B.
ASTM C 580:93
ASTM C 307:94

Product Description

TufGrout EP is a solvent free epoxy resin grout designed to withstand high static and dynamic loads. The product is supplied in three components as Part A, Part B & Part C that is specifically formulated to produce a high performance, pourable grout with high strength and excellent chemical resistance properties. TufGrout EP is mechanically tough grout making it ideal for resisting the dusting effects of dynamic loading.

Typical Properties

Density	: 2350 kg/m ³
Compressive strength @7 days	: >100 N/mm ²
Flexural strength @7 days	: > 20N/mm ²
Tensile strength @ 7 days	: > 10 N/mm ²
Yield	: 12.75litres
Full cure	: 7 days @ 25±2°C

Technical Support

GIC provides a comprehensive technical support service to specifiers, end users and contractors and is able to offer on-site technical assistance.

Instructions for Use

Surface Preparation: Ensure the concrete foundation surface is dimensionally stable and free of dirt, dust, oil, laitance, paint, curing compounds etc. Bolt holes and fixing pockets should be free from any dirt or debris. If possible a roughened surface is preferable to smooth surfaces. Metal surfaces must be free from rust, loose scaling and paint. Shuttering should be covered with polyethylene to ensure a clean release.

Mixing: Do not commence mixing until all surface preparation, cleaning and shuttering is complete. TufGrout EP is supplied in pre-weighed units and do not split units during mixing. Add Part B to Part A in a suitable forced action mixer; alternatively use a slow speed drill and paddle. Mix for two minutes scraping down the sides before adding Part C component. Continue mixing until the grout has a smooth, even consistency.

Placing: Ensure that sufficient mixed material is available to complete the work and achieve a continuous filling operation. Commence placing immediately the grout is mixed. When used for under plate grouting, TufGrout EP may be placed in thicknesses up to 80mm in a single pour. Place the grout so that it has the least distance to travel. Ensure there are areas for air to escape during pouring. Chains or metal straps laid in the formwork prior to placing may be





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necessary to assist grout flow over large areas. Pour the grout continuously from one side of the void to eliminate air. Maintain a constant head of mixed grout so that a continuous grout front is achieved. For pours that are greater than 80mm allow the first pour to cure overnight before starting to place the second lift.

Equipment Care

Clean all equipment promptly using suitable solvents and the cured material will have to be mechanically removed.

Packaging & Storage

TufGrout EP is available in factory, pre-weighed units of 30kg and it has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

TufGrout EP does not fall into the hazard classifications of current regulations. However, it should not be swallowed or allowed to come into contact with skin and eyes. Suitable protective gloves and goggles should be worn. Splashes on the skin should be removed with water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately – do not induce vomiting.

For further information refer to the Material Safety Data Sheet available for this product.

Important note

GIC endeavors to ensure that the technical information contained herein is true, accurate and represents our best knowledge and experience. No warranty is given or implied, as GIC has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.

As all GIC technical data sheets are updated on a regular basis it is the customer's responsibility to check that the product is suitable for the intended application, and that the actual conditions of use are in accordance with those recommended.

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