



TufGrout GP

General Purpose Non Shrink Cementitious Grout

Uses

- Used as a general purpose grout where it is essential to eliminate shrinkage when completely filling the void between a base plate and a substrate.
- Used for anchoring a wide range of fixings that includes masts, anchor bolts, etc.

Typical Applications & Advantages

TufGrout GP is formulated for use at trowelable or flow able consistencies and may be used for bedding, grouting and void filling operations like Base plate grouting, Crane rails, Stanchion bases, Anchor bolt fixing, Space grouting precast concrete panels, Floor repairs, etc.

- No metallic iron content.
- High early and ultimate strength.
- Good cohesion and fluidity.
- Excellent flow characteristics.
- Impermeable, resistant to oil and water penetration.

Standards Compliance

TufGrout GP complies with the requirements of the following standards:

BS 1881:1983
BS 445
BS EN196-1
BS 4551: 1998

Product Description

TufGrout GP is a pre-mixed, pre-bagged cementitious non-shrink grouting compound specially formulated to produce a high performance, pourable grout with high strength and slightly expansive properties.

Typical Properties

Appearance	: Grey powder
Wet density @25°C	: ~ 2200 kg/m ³
Consistency	: Flow able

Compressive strength	: ≥40N/mm ² (3 days)
	: ≥50N/mm ² (7 days)
	: ≥65N/mm ² (28days)
Flexural strength	: ~14 N/mm ² (28 days)
Expansion characteristics	: Up to 2% @24 hours
Yield	: 13 liters

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 foundation surface is free of dirt, dust, oil, laitance, paint, curing compounds etc. Bolt holes and fixing pockets should be blown clean of any dirt or debris. Several hours prior to grouting the area should be flooded with fresh water to minimize local absorption and to assist in the free flow of the grout. Immediately before grouting takes place any free water should be removed with extra care being taken to blow out all bolt holes and pockets.

Mixing: Damp down the inside of a forced action mixer with water prior to mixing the initial batch of **TufGrout GP**. Ensure the mixer is damp but free of standing water. Add 3.5 litre water into the mixer and slowly introduce the entire contents of the bag of **TufGrout GP**. Minor increase can be made (+10%) during very hot and dry grouting applications. In hot weather use chilled water for mixing. Mix for at least 5 minutes 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. Place the grout within 10 minutes of mixing to gain the full benefit of the expansion process. **TufGrout GP** may be placed in thicknesses up to 100mm in a single pour when used as an under plate grout.





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For greater thicknesses, bulk out the grout with a 10mm well-graded, silt free aggregate to minimize heat buildup.

Grout bolt holes and pockets prior to grouting between the substrate and base plate. Ensure formwork is secure to prevent movement during the placing and curing of the grout. The use of formwork tape is recommended. Chains or metal straps laid in the formwork prior to placing may be necessary to assist grout flow over large areas and assist in compaction. Pour the grout continuously from one side of the void to eliminate air and any standing water. **TufGrout GP** should be poured across the shortest distance of travel. Maintain a constant hydrostatic head so that a continuous grout front is achieved. When large volumes have to be placed, the use of a diaphragm pump is recommended.

Curing: On completion of the grouting operation, exposed areas should be thoroughly cured in accordance with normal practice utilizing water, wet hessian or a curing compound.

Packaging & Storage

TufGrout GP is available in 25 kg bags and has a minimum shelf life of 12 months provided it is stored under cover, out of direct sunlight.

Health & Safety Precautions

TufGrout GP 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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