

CHEMfix Grout

General Purpose Non-Shrink High Strength Cementitious Grout

Uses

- Used for free flow precision grouting, bedding and void filling applications.
- Used in a wide range of heavy duty applications such as Bridge bearings foundation, Crane rails, general repair, column jacketing, anchor bolt fixing, machine base plates, etc.
- Used for space grouting precast concrete panels and floor repairs.
- Used as a grouting and anchoring agent for UPVC pipes service penetration.

Typical Applications & Advantages

- Excellent initial flow and flow retention.
- High early and ultimate strength facilitates rapid installation and durability of the hardened grout respectively.
- Dual expansion in plastic and hardened phases.
- Impermeable and resistant to oil and water.
- Suitable for pumping or pouring over a large range of application consistencies and temperatures.
- Suitable for grouting and anchoring of UPVC pipes service penetration

Standards Compliance

CHEMfix Grout complies with the requirements of the following standards:
ASTM C 579 – 01 Method B
ASTM C 940 - 89

Product Description

CHEMfix Grout is a pre-mixed, pre-bagged cementitious non-shrink grouting compound specially formulated to produce a high performance, pourable grout with high strength and expansive properties. This imparts controlled expansion in both the plastic and hardened phases whilst minimising water demand.

Technical Support

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

TECHNICAL INFORMATION

Density : 2150 kg/m³

Compressive strength

@ 3 days : >40 N/mm²

@ 7 days : >50 N/mm²

@ 28 days : >60 N/mm²

Yield : 12.50litres

Volume Expansion : 3.6%

Instructions for Use

Surface Preparation: Ensure the 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. Soak the area to be grouted with fresh water for 24 hours prior to grouting; this will minimise local absorption and assist in the free flow of the grout. Immediately before grouting takes place any standing water should be removed with care being taken to blow out all bolt holes and pockets.

Base plates, bolts etc must be free of grease, oil and coatings. Equipment should be aligned and fixed in place before grouting. Ensure formwork is secure and watertight to prevent grout loss and movement during placing and curing. The use of formwork tape is recommended. During hot temperatures keep **CHEMfix Grout** and the areas to be grouted cool and shaded.



Mixing:

Water contents are at 3-4 litres/ 25 kg bag to ensure the stated results are reproducible on site. Minor increases can be made (+10%) during very hot and dry grouting applications. Prior to mixing ensure that sufficient **CHEMfix Grout** is available to complete all grouting operations. Ensure the mixer is damp but free of standing water. Add the water into the mixer and slowly introduce the entire contents of the bag of **CHEMfix Grout**. In hot weather use chilled water for mixing. Mix for at least 5 minutes until the grout has a smooth, even, lump free consistency.

Placing:



CHEMfix Grout may be placed in thicknesses from 10mm up to 100mm in a single pour when used as general grouting. Grout bolt holes and pockets prior to grouting between the substrate and base plate. Chains or metal straps laid in the formwork prior to placing may be necessary to assist grout flow. Pour the grout continuously from one side of the void to

eliminate air. Grout 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. Avoid exposed shoulders on grout wherever possible. Shoulders will cure at different rates to the bulk of the grout due to differences in volume and temperature. Cracking or debonding may occur in extreme cases. Anchor shoulders with reinforcement if required.

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

CHEMfix Grout 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.

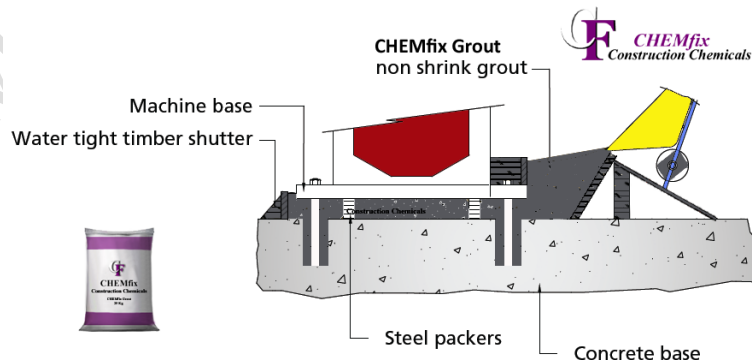
Health & Safety Precautions

CHEMfix Grout 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

CHEMfix 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 **CHEMfix** has no control over the conditions of use and the competence of any labor involved in the application are beyond our control.



For Technical Support Please Contact With CHEMfix Local Representative

The information and recommendations above are given in good faith based on our current knowledge and experience of the products when properly stored, handled and applied in accordance with current best practice, national standards and our recommendations. As we have no control over site conditions or methods of application, no liability can be derived from the contents of this information sheet, or from any written recommendations, or from any other advice offered. The user of the product is solely responsible for the product's suitability for the intended application and is recommended to test the suitability prior to use. We reserve the right to change the properties of our products without notice. All orders are sold subject to our current terms of sale and delivery. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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