

FRAMEFIX GROUT

Product Codes

DH07 Packaging listed overleaf.

Description

Framefix Grout is a polyester resin based material used for grouting where rapid early strength development is required. Uses include all types of support for steel and concrete units examples of which would include grout feeder boxes for steel plate supports, beneath all types of frames in vehicular road surfaces during bedding and levelling operations. The product is supplied as a two pack system ready for on site mixing consisting of two tins of base resin and two bags of catalysed filler. The mixed grout will harden to give rapid strength gain reaching 60N/mm₂ in 1 hour allowing road opening to vehicular traffic within 1 to 1 hour. The placed frames will resist compressive and high impact loads. The chemical mechanism will continue at temperatures down to 0°C with only a small increase in hardening time. The hardened grout is resistant to chemical attack from petroleum products and road salt.

- Uses include:**
- Filling of grout feeder boxes in steel support placement.
 - Re-bedding of raised manholes.
 - Support of road furniture.
 - Bedding of frames in new roads.
 - Most rapid opening of newly placed frames and road furniture.

Typical Grout Properties @ 20°C

Working Time @ 20°C

Framefix Grout Working Time: 8 - 12 minutes
(above 20°C setting will be faster)

Compressive strength

Grout Mix By Volume
Resin 1 part, Catalysed Filler 2 parts

1 Hour	2 Hours	1 Day
60N/mm ²	70N/mm ²	85N/mm ²

Density	2000 kg/m ³
Flexural Strength	20N/mm ₂
Tensile Strength	10N/mm ₂
Compressive Modulus	15kN/mm ₂

Specification Outline

Grouting operations during bedding of frames shall be carried out using Framefix Grout as manufactured by Tecroc Products Ltd. The product must be stored, handled and placed strictly in accordance with the manufacturer's instructions.

Quality Assurance

Tecroc Products Ltd is a firm of Assessed Capability. The Company's quality system conforms to BS EN ISO 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

Standards

Framefix Grout has been tested in accordance with appropriate parts of the following standard: BS 6319

Instructions For Use

Preparation

Laitance and all loose material including dust, oil and grease should be removed in order to produce a sound substrate. Any loose brickwork should be re-bedded using a slightly resin rich Framefix Mortar mix.

Mixing

To achieve the most consistent grout mix, mechanical mixing is recommended. Hand mixing is suitable for small mixes but care should be taken to ensure that the mix is fully wetted out with resin. Mixing may be carried out in the plastic package pail or a similar suitable mixing vessel. Suitable mixers include a slow speed high torque drill and Grout Stirrer. For full pack mixing of Framefix Grout pour all of the resin contained in the two tins within the pack into the mixing pail. Slowly add the catalysed filler while continually mixing. Continue mixing after all the catalysed filler has been added until the mix is powder free and uniform.

The chemical reaction of setting is rapid. The mixed grout should be placed immediately after mixing. The working time may be extended in cold ambient conditions and may be shortened in hot ambient conditions.



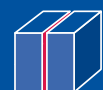
Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

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Instructions For Use

Placing

Grout Feeder Boxes

Mixed Framefix Grout should be poured into grout feeder boxes allowing the gap between lower steel plates to be completely filled with Framefix Grout. The Framefix Grout should be brought up to a level within the box such that any small degree of volume change will be accommodated by further ingress of the grout.

Frame Setting Using Framefix Mortar

For bedding and levelling using Framefix Mortar set suitable levelling shims onto the working surface ready to receive the frame or unit. Place the mixed mortar onto the prepared surface and lower the frame or unit onto the mortar and knock down onto the pre-set shims to line and level. The bed thickness applied in a single application should be between 10mm to 50mm. Thicker support beds can be achieved by applying further material as soon as the lower bed has hardened sufficiently not to distort under the additional work. The placed mortar will have hardened sufficiently to carry out further work within some 20 to 30 minutes depending on the surrounding ambient conditions.

Frame Grouting Using Framefix Grout

Unfilled areas beneath and surrounding the frame or unit may now be filled by pouring Framefix Grout into place. The placed mortar will act as a restraining formwork during the grouting operation. The combination of the Framefix Mortar plus the Framefix Grout will ensure complete support for the frame or unit.

Clean tools with Solvent before Framefix Grout has started to harden.

Curing

No special curing is required at temperatures between 5°C and 35°C. For placing temperatures outside this range contact the Technical Service Department.

Precautions

Health and Safety

Framefix Grout is a resin based product. Resins and solvents may cause allergic reactions in some people. Wear gloves, use barrier cream on unprotected skin areas and wear eye protection when mixing, using and cleaning. Ensure adequate ventilation to prevent inhalation of vapours. If skin contact occurs remove resin immediately with cleansing cream and wash with soap and water. Do not use Solvent. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice. If swallowed do not induce vomiting. Seek medical advice immediately. For full health and safety data refer to Product Safety Data Sheet.

Fire

Should fire occur extinguish with CO₂ or foam.

Yield

The volume yield of each 25kg pack of Framefix Grout is approximately 12.5 litres of mixed grout.

Storage And Shelf Life

Framefix Grout will have a shelf life of 6 months when kept in dry conditions at a temperature of 5°C to 25°C. Storage at higher temperatures or high humidity may reduce the shelf life.

Packaging And Ordering

Framefix Grout is supplied in 25kg packs.

25kg packs Product Code DH07

Solvent is supplied in 5 litre and 1 litre tins.

5 litre tins Product Code TM02

1 litre tins Product Code TM08

For further information and sales please contact your local Tecroc Products office as listed below.

Tecroc Products Ltd products are guaranteed against defective materials and manufacture. Products are sold subject to the Tecroc Products Ltd Terms and Conditions of Sale, copies of which are forwarded on invoice and are available on request. Tecroc Products Ltd endeavours to ensure that the above data and any further advice is correct, however, it cannot accept any direct or indirect liability for the use of its products as such usage is beyond its control.

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