

FRAMEFIX MORTAR SUMMER - WINTER

Product Codes

DH06s, DH06w Packaging listed overleaf.

Description

Framefix Mortar is polyester resin based material used for the bedding and levelling of all types of frames in vehicular road surfaces. 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 mortar will harden to give rapid strength gain reaching 52N/mm² in 1 hour allowing road opening to vehicular traffic within 3/4 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 mortar is resistant to chemical attack from petroleum products and road salt.

Two grades, Summer and Winter, are available.

- Uses include:**
- 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 Mortar Properties @ 20°C

Working Time @ 20°

Framefix Mortar Winter Grade: 8 - 12 minutes
(above 20°C setting will be rapid)

Framefix Mortar Summer Grade: 18 - 22 minutes
(below 10°C setting will be extended)

Compressive Strength

Mortar Mix By Volume

Resin 1 part, Catalysed Filler 3³/₄ parts

1 Hour	2 hours	1 Day
52N/mm ²	64N/mm ²	75N/mm ²

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

Specification Outline

Bedding of frames shall be carried out using Framefix Mortar 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 9002:1994 and is assessed by SGS Yarsley International Certification Services Ltd.

Standards

Framefix Mortar has been tested in accordance with the relevant parts of 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 mortar mix.

Mixing

To achieve the most consistent mortar 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 Mortar Stirrer. For full pack mixing of Frame Fix Mortar 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 mortar should be placed immediately after mixing. The working time may be extended in cold ambient conditions and may be shortened in hot ambient conditions.

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Instructions For Use

Placing

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, such as haunching, within 20 to 30 minutes depending on the surrounding ambient conditions and product grade. Clean tools with Solvent before mortar 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 Mortar 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.

Full health and safety data are given in Product Safety Data Sheet.

Fire

Should fire occur extinguish with CO₂ or foam.

Yield

The volume yield of each 25kg pack of Framefix Mortar is approximately 12.5 litres of mixed mortar.

Storage And Shelf Life

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

Packaging And Ordering

Framefix Mortar is supplied in 25kg packs.

25kg packs (summer grade) Product Code DH 06s

25kg packs (winter grade) Product Code DH 06w

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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