

# HIGH BUILD MORTAR

**Product codes.**

TG26, packaging listed overleaf.

**Description**

High Build Mortar is a high strength non-shrink cementitious product with “stay as placed” properties. Suitable for use in structural support situations and where good vibration resistance is required. The Prepared mortar can be used as a dry pack or placement without shuttering in gaps of 10mm to 50mm.

High Build Mortar gives easy placement helping to obtain complete filling of the work piece. The non-slump characteristics prevent plastic settlement producing permanent contact between substrate and supported surfaces.

**Uses Include:**

- Storage system tracks
- Crane rail tracks
- Underpinning
- Machinery base plate support
- Infill between and under beams

**Typical Mortar Properties @ 20°C**

**Compressive Strength**

1 Day	3 Days	7 Days	28 Days
40N/mm <sup>2</sup>	56N/mm <sup>2</sup>	61N/mm <sup>2</sup>	65 N/mm <sup>2</sup>

- Flexural Strength : 9N/mm<sub>2</sub>
- Density : 2250kg/m<sup>3</sup>
- Coefficient of thermal expansion : 11 x 10<sup>-6</sup>/°C
- Young’s Modulus : 30kN/mm<sub>2</sub>
- Setting Times Initial : 260 minutes
- Final : 290 minutes

**Standards**

High Build Mortar has been tested in accordance with the appropriate parts of BS 1881

**Specification Outline**

Under-rail packing and base plate support shall be carried out using High Build 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 9001:2000 and is assessed by SGS Ltd Systems and Services Certification.

**Instructions For Use**

**Preparation**

Remove laitance and all loose material including dust, oil and grease to achieve a sound substrate. Concrete should be roughened to produce a mechanical key. Steel surfaces should be free of mill scale and rust.

**Priming**

The majority of works using High Build Mortar do not require priming. Dry surfaces should be dampened then remove any free standing water. Particularly absorbent surfaces may be primed using an SBR Liquid/cement mix.

**Mixing**

Pour 3.25 litres of clean water into the mixing vessel for each complete bag of High Build mortar. Slowly add the powder to the water whilst continuously mixing. Mechanical mixing is preferable using a slow speed drill and Mortar Stirrer. For larger mixes use a forced action mixer such as the Mixal or the Cretangle.



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

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## TECHNICAL DATA

Revision Date 01/2008

## HIGH BUILD MORTAR

## Instructions For Use

## Placing

Place the mixed High Build Mortar within 20 minutes from the start of mixing. Use a clean trowel or other suitable hand tool. Ensure that the applied mortar is worked well under the plate or rail and is fully compacted. A smooth edge surface finish may be achieved using a steel trowel moistened with water. Placement in thicknesses from 10mm to 50mm may be undertaken. Clean tools and mixing equipment with water before setting of the High Build Mortar. Do not disturb once placement has been completed until mortar has hardened.

## Curing

High Build Mortar mixes may be placed at temperatures between 5°C and 45°C. For temperatures outside this range contact the Technical Service Department.

Placed mortar, which is exposed, should be cured in accordance with good concrete practice including water spray and spray applied curing membrane (Polycure).

## Precautions

## Health and Safety

High Build Mortar is alkaline when mixed with water and should not come into contact with skin or eyes. Avoid inhalation of dust during mixing and wear safety glasses, dust mask and gloves. If skin contact occurs wash thoroughly with clean water. Should eye contact occur rinse immediately with plenty of clean water and seek medical advice.

Full health and safety data is given in Product Safety Data Sheet

## Fire

High Build Mortar is non-flammable

## Yield

Each 25kg bag of High Build Mortar will yield approximately 12.5 litres of mixed material.

## Storage And Shelf Life

High Build Mortar will have a storage life of 6 months in unopened tubs when kept in dry conditions at a temperature between 5°C and 45°C. Storage at higher temperatures and high humidity may reduce shelf life.

## Packaging And Ordering

High Build Mortar is supplied in:  
25kg valvesack bag: Product Code TG26

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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