

BOLT HOLE MORTAR

CEMENTITIOUS CAPPING MORTAR

Product Code

TPT 011 Packaging listed overleaf

Description

Bolt Hole Mortar is a Portland cement based powder mix containing high quality graded sand, fillers and a synergistic blend of admixtures which produce a workable thixotropic mortar at low water content.

Bolt Hole Mortar is used to fill and plug residual cavities at the head of bolt holes after bolting has taken place. Unused bolt holes or other cavities may be filled and plugged using Bolt Hole Mortar. The placed mortar will give long term protection to the in situ bolts or other steel fixing. Bolt Hole Mortar is chloride free, has low water absorption and good resistance to abrasion.

The product is easy to use on site only requiring the addition of water to produce a thixotropic mortar. The consistency of the mortar ensures easy placing in minimum application times.

- Uses include:**
- Segmental tunnels
 - Railway and road cuttings
 - Airports and docks

Typical Mortar Properties @ 20°C

Compressive Strength

Water Addition 4.25 litres per 25Kg Bolt Hole Mortar

Age At Test	3 Days	7 Days	28 Days
	8 N/mm ²	14 N/mm ²	28 N/mm ²

Density : 2150 kg/m³

Usable Life: 15 to 30 minutes
(depending on placing conditions)

Specification Outline

Filling of bolt hole heads and other cavities should be carried out using Bolt Hole Mortar as manufactured by Tecroc Products Ltd. The product must be stored, handle and used 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 9002:1994 and is assessed by SGS Yarsley International Certification Services Ltd.

Standards

Bolt Hole Mortar has been tested in accordance with the appropriate parts of the following standard: B.S. 1881

Instructions For Use

Preparation

All contact surfaces must be sound, clean and provide a good mechanical key.

Priming

The clean concrete surface should be dampened with water then prior to placing of the mortar any standing water should be removed. Mortar should be placed before the contact surface has dried out.

Mixing

Bolt Hole Mortar is supplied in 25kg bags. The water requirement to produce a workable mortar is 4.25 to 5.25 litres per 25kg of dry material. Pour the required quantity of water into a suitable mixing vessel. Slowly add the powder to the water whilst continuously mixing. Mechanical mixing is recommended. Suitable mixers include a slow speed high torque drill with a Mortar Stirrer or a forced action mixer such as Cretangle or Mixal. Mixing should be continued after all the powder has been added to the mixing water to obtain a cohesive and lump free mortar. Only mix sufficient material that can be placed with 15 to 30 minutes.



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin & Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

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Instructions For Use

Placing

Apply the Bolt Hole Mortar firmly into the bolt hole ensuring complete fill to the bottom of the cavity and full compaction of the placed mortar. Placing may be by hand or by mechanical injection machine.

Curing

No special curing is required under normal placing conditions.

Precautions

Health and Safety

Bolt Hole 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 are given in Product Safety Data Sheet.

Fire

Bolt Hole Mortar is non-flammable

Yield

Bolt Hole Mortar is packed in 25kg valvesack bags. The yield of mixed mortar is approximately 13 litres per bag.

One tonne of Bolt Hole Mortar will produce approximately 0.52m³ of mixed mortar.

Storage And Shelf Life

Bolt Hole Mortar will have a shelf life of 6 months when kept in dry conditions at a temperature of 5°C to 45°C. Storage at higher temperatures and high humidity may reduce the shelf life.

Packaging And Ordering

Bolt Hole Mortar is supplied in:

25kg valvesack bag Product Code: TPT 011

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 invoices 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.