

PUMPABLE MORTAR

Product Codes

TP45, Packaging listed overleaf.

Description

Pumpable Mortar is a Portland cement based powder mix including special shrinkage compensating components. The product mix design requires a low water addition to produce a high strength mortar designed for structural support. The incorporation of shrinkage compensating additives ensures that the placed mortar maintains contact within the filled section. The mortar is chloride free and can be safely used in contact with reinforcing steel. The mixed material is placed by means of a simple hand gun into horizontal and vertical gaps of 5mm to 50mm without the use of shuttering. Hand packing and trowelling may also be used.

Uses include:

- Creating in situ structural support.
- Support of pre-cast concrete units.
- Suitable for horizontal and vertical sections.

Typical Properties @ 20°C

Compressive strength

Water addition: 3.5 Litres per 25 kg

Pumpable Mortar

1 Day	7 Days	28 Days
20N/mm ²	35N/mm ²	53N/mm ²

Density 2095 kg/m³

Setting Times Initial: 210 minutes
Final: 240 minutes

Specification Outline

Placing of mortar for structural support shall be carried out using Pumpable Mortar as manufactured by Tecroc Products Ltd. The product must be stored, handled 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

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

Instructions For Use

Preparation

Contact surfaces should be sound and clean.
Remove all loose material and any oily deposits.

Priming

The prepared surfaces should be pre-dampened then any standing water removed before placing the mixed material.

Mixing

Pumpable Mortar is supplied in 25kg bags. The water requirement to produce the mortar is: 3.5 to 4.00 litres of water per 25kg bag. 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 a Creteangle. Mixing should be continued after all the powder has been added to the mixing water to achieve a smooth uniform mortar.

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Instructions For Use

Placing

Place the mixed mortar into a PPM Gun for application. The Pumpable Mortar is pumped into place at a low hand generated pressure. Ensure complete filling of the gap and then finish the exposed surface with a dampened steel trowel.

Pumpable Mortar may be applied at temperatures between 5°C and 45°C. For application at temperatures outside this range contact the Technical Service Department.

Curing

Curing of exposed surfaces should be undertaken in accordance with good concrete practice. Suitable methods of curing include water spray, polythene sheeting and spray applied concrete curing membrane such as Polycure.

Precautions

Health and Safety

Pumpable 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

Pumpable Mortar is non-flammable

Yield

Each 25kg bag of Pumpable Mortar will yield approximately 13.5 litres of mixed material.

Storage And Shelf Life

Pumpable Mortar will have a storage life of 12 months in unopened bags when kept in dry conditions at a temperature between 5°C and 45°C. Storage at higher temperatures or high humidity may reduce shelf life.

Packaging And Ordering

Pumpable Mortar is supplied in:

25kg valvesack bags	Product Code TP45
Polycure is supplied in 5 Litre polybottles:	
5 Litre polybottles	Product Code AF003
PPM Gun Complete	Product Code: TP80

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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