

TECHNICAL DATA

Revision Date 01/2008

RAPID MORTAR LIGHT- WHITE- DARK

Product Codes

TP13, TP39, TP15, TP17 Packaging listed overleaf.

Description

Rapid Mortar is a family of products, Light, White and Dark which will enable colour matching mortars to be prepared on site by suitably mixing two of the three powders. The Light powder has been designed to give a typical concrete colour but this may be varied to suit particular concrete substrates. All three products are cement based polymer reinforced powder mixes. The mix designs include set control additives which give controlled rapid setting. The fast setting mortars are available with product set times of 5 minutes to 20 minutes.

Uses include: Plugging of precast concrete panels
Sealing of joints prior to grouting operations
Sealing of concrete basements, concrete pipes, sewage systems and foundations
Rapid repair to concrete units.

Typical Mortar Properties @ 20°C

Compressive Strength

Mix: Rapid Mortar 3 parts by volume

Water 1 part by volume

6 Hours	1 Day	7 Days	28 Days
10N/mm ²	20N/mm ²	37N/mm ²	43N/mm ²

Density 2140 kg/m³
Useable Life 5 minutes to 18 minutes
(depending on grade)

Specification Outline

Plugging, sealing and rapid repair operations should be carried out using Rapid Mortar as manufactured by Tecroc Products Ltd. The product must be stored, handled and used strictly in accordance with the manufacturer's instructions.

Standards

Rapid Mortar has been tested in accordance with the appropriate parts of the following standards:
B.S. 1881 B.S. 6319

Instructions For Use

Preparation

All contact surfaces must be sound, clean and provide a good mechanical key. Remove all loose material, plaster, paint and oily deposits. If reinforcing steel is present and exposed it should be cleaned back to at least two thirds of its circumference forming a mechanical key. Corroded reinforcing steel should be cleaned back to bright metal. Repair edges should be cut back to avoid feather edging and smooth concrete should be roughened.

Priming

Where repairs are being carried out in damp conditions, no priming is necessary. If concrete surfaces are dry, dampen with water before application of the Rapid Mortar

Mixing

Rapid Mortar powder mix should be adjusted for colour and then mixed in quantities to be used during the workable time of the mortar.

The mixing proportions are:

Rapid Mortar mix 3 parts by volume

Water: 1 part by volume

Pour the required quantity of water into a suitable mixing vessel. Slowly add the powder to the water whilst continuously mixing until the required consistency is obtained.

Placing

Apply the Rapid Mortar firmly onto the repair area. It may be necessary to use a gloved hand to place and compact the mortar behind reinforcing steel and into narrow corners and edges. Surface finish the applied mortar with a dampened steel trowel. Thickness sections of application should be in the range of 5mm to 25mm. Edges of repair areas should be cut to 5mm to avoid feather edging. Rapid Mortar may be applied at temperatures between 5°C and 35°C. For application at temperatures outside this range contact the Technical Service Department.

Curing

Curing should be undertaken to prevent rapid water loss, in accordance with good concrete practice.



Grouts



Structural Support Mortars



Concrete Repair Products



Construction Adhesives



Resin Et Cementitious Anchors



Highway Products



Coatings



Waterproofing



Ground Engineering

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Precautions

Health and Safety

Rapid Mortar mixes are 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 details are given in Product Safety Data Sheet.

Fire

Rapid Mortar is non-flammable

Yield

Rapid Mortar is packed in 15kg tubs and 25kg bags. the yield obtained from these units:

15kg unit, approximately 7.0 litres of mixed material.

25kg unit, approximately 11.7 litres of mixed material.

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.

Storage And Shelf Life

Rapid Mortar will have a shelf life of 12 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

Rapid Mortar is supplied in:

Light 15kg tub	Product Code TP13
Light 25kg bag	Product Code TP39
White 15kg tub	Product Code TP15
Dark 15kg tub	Product Code TP17

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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