

# THIN JOINT MORTAR

## Product Codes

ACB01, Packaging listed overleaf

## Description

Thin Joint Mortar is a Portland cement based powder mix which is polymer reinforced. The mix design includes selected high quality graded sands, special shrinkage compensating components plus powerful plasticising agents which produce a workable thixotropic mortar at low water content. The resulting mix enables thin joints, between thermal blocks to be made. Horizontal and vertical joints are formed down to 3mm in thickness. These thin joints contribute to the maintenance of built wall U-values.

Thin Joint Mortar is supplied ready for on site use only requiring the addition of measured mixing water. The mixed mortar will remain workable for two hours with periodic agitation. Once mixed the mortar is placed using a notched trowel along horizontal and vertical joint lines. The thixotropy of the placed mortar plus a high early "grab" between blocks produces stability in the blockwork sections during construction. Overhang ends of block courses are stable and do not require any special support. Thin Bed Mortar joints are suitable for external and internal leaf construction giving strong joints suitable for the erection of load bearing wall sections.

**Uses include:**

- Rapid building of lightweight block walls.
- Maintenance of U-values of blocks within wall sections.
- Wall sections designed to meet Document L of the building regulations.

## Standards

Thin Joint Mortar has been tested in accordance with the appropriate parts of the following standards:

B.S. 1881, B.S. 6319, prEN 998-2:1977,  
prEN 1015-3, prEN 1015-9, EN 1015-1

## Specification Outline

Thin mortar joints in lightweight block wall building shall be made using Thin Joint 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.

## Typical mortar properties @ 20°C

### Initial Type Tests

Para 8.2 prEN 998-2:1997

### Compressive Strength

Water Addition 21% on Powder Weight

1 Day	3 Days	7 days	28 Days
3.4N/mm <sup>2</sup>	12.5N/mm <sup>2</sup>	18.9N/mm <sup>2</sup>	29.0N/mm <sup>2</sup>

### Workable life:

#### Initial flow at 21% water on powder weight:

PrEN 1015-3 & prEN 1015-9

150mm to 180mm maintained for 2<sup>3</sup>/<sub>4</sub> hours.

### Correction time: Water @21% on powder weight:

PrEN 1015-9

% contact area maintained up to and including 50% for 8 minutes.

### Aggregate size: EN 1015-1

The maximum particle size is less than 1mm.

**Density:** 2030kg/m<sup>3</sup>

## Instructions for Use

### Preparation

All contact surfaces must be sound, clean and provide a good mechanical key. Remove all loose material by light brushing.

### Priming

For most lightweight blocks no priming is necessary. If blocks are particularly absorbent apply Thin Joint Mortar with a trowel to the joint faces and immediately sweep off. Ensure residue of priming layer does not dry before applying jointing mortar layer.

### Mixing

Thin Joint Mortar is supplied in 25kg bags. The water requirement, for each bag, to produce the mortar, is approximately 5 ¼ litres (21% of powder weight.)

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 the Creteangle. Mixing should be continued for two minutes after all the powder has been added to the mixing water.



Grouts



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PRODUCTS

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## Instructions for Use

### Placing

Apply the Thin Joint Mortar to the joint faces using a notched trowel. Place the adjacent block immediately onto the notched mortar and lap into place. Horizontal and vertical joints are formed for each block as it is put into the wall section. If there is an overhang at the end of a course, before the return is placed, these will be self supporting due to the thixotropy and grab of the Thin Joint Mortar.

Thin Joint 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

For most ambient conditions no special curing is required. In fast drying conditions, such as direct sun or warm strong winds, mist spraying or temporary covering should be applied.

## Precautions

### Health and Safety

Thin Joint 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

### Fire

Thin Joint Mortar is non-flammable  
Full health and safety details are given in Product Safety Data Sheet

### Yield

Thin Joint Mortar is packed in 25kg bags. The yield of mixed material is approximately 14.6 litres.

## Storage And Shelf Life

Thin Joint 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 or high humidity may reduce the shelf life.

## Packaging And Ordering

Thin Joint Mortar is supplied in:

25kg Bags

Product Code ACB01

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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