

# Mortar Mix (Easy to use) Datasheet

October 2017

## Matched to brick choice

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A coloured masonry **Mortar Mix** comprising white cement, graded sand and certain additives to give high bond strength, waterproof joints and high water retention for workability and plasticity. Good water retention gives improved bond and bleeding characteristics. Also has excellent water absorption qualities.

### Technical Data

<b>Types</b>	Can be manufactured to SABS class 1, 2 and 3 specifications
<b>Colour</b>	Agate, Firelight, Onyx, Roan, Silver Grey, Titanium (New Corobrik colours), White, Black. Colours matched to suit brick choice
<b>Pot life</b>	45 minutes
<b>Working time after mixing</b>	60 minutes depending on weather
<b>Initial set</b>	1.5 to 2 hours
<b>Mixing water temperature</b>	Best between 15 and 25°C
<b>Application temperature (ambient)</b>	5 to 25°C
<b>Substrate temperature</b>	5 to 25°C
<b>Min application thickness</b>	Minimum of 10mm between bricks
<b>Max application thickness</b>	Maximum of 15mm between bricks
<b>Density</b>	1.5kg/litre
<b>UV Resistance</b>	UV stable and colourfast
<b>Protection during application</b>	Use of wind and sun barriers

### Limitations

- Re-tempering: The initial mix with additional water added thereafter will weaken the water. Do not allow the mixed mortar to stand for additional periods of time.
- Manufactured on request-job specific.

### Benefits

- Can be manufactured to SABS class 1, 2 and 3 specifications and most colours as required
- Multi- purpose mortar
- Workable and strong
- Easy to use - just add water
- Can be colour matched to suit bricks of your choice

### Applications

This versatile product gives an attractive, waterproof, joint for brick/block/masonry walls, re-pointing and general mortar repairs. Especially advantageous where consistency of colours, strength and quality are of importance.

### Specifying

"Cemcrete's **Mortar Mix** to be mixed with clean water only for the laying of blocks or bricks."

### Site Work

### Storage

Store in a dry shed on wooden slats for a maximum of 6 months after date of invoice.

Cemcrete provides a comprehensive technical service based on over 3 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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### Preparation

Bricks or block piles should be sprayed once with clean water during the day before placing under tarpaulin/canvass during hot dry conditions, especially where very absorptive building units are used. It is advisable to wet the surface of existing walls to be pointed so that the mortar mix hardens and becomes waterproof.

### Mixing

Mix thoroughly with clean water ( $\pm$  7litres to a 40kg bag) to a consistency that is plastic but also sticks easily to the trowel. Keep mixed and use all mixed material within 1 hour. Mixing in clean wheelbarrows/plastic containers is standard practice. If machine mixing is carried out, a minimum mixing time of 2-3 minutes is desirable depending on site conditions. Over-mixing should be avoided.

Test: Taking a scoop of mortar mix with a builders trowel turn the trowel upside down so that that mortar mix is facing downward towards the floor/ground ( $\pm$  10mm thick). The mix should remain stuck to the trowel for several seconds ( $\pm$  4-5 seconds) before slumping and eventually falling to the ground. If the mixed material falls almost immediately too much water has been used in the mix.

### Application

Recommended joint thickness 10mm depending upon consistency of brick size.

Re-pointing of existing walls: The pointing on existing walls may vary in depth and texture so it is recommended that a diamond chasing tool is used to chase the existing joints to a recommended depth of 6mm. Chasing too shallow will not provide the longevity required whilst chasing too deep may weaken the structure.

Load the mixed **Mortar Mix** onto an overturned brick trowel, hold the trowel under the horizontal joint—tight to the brick—and sweep  $\pm$ 6mm slivers of **Mortar Mix** into the cavity using a builders wide pointing trowel. (Flush jointed with the surrounding brickwork. Allow this to stiffen and then finish the pointing with a 9mm rounded pointing tool. Fill the horizontal joints first.

### Curing

Damp the wall surface with clean water during the day following placing for increased hardness, sound waterproofing properties and durability of the mortar joints.

### Coverage

The following table should assist in estimating the quantity of mortar required for the most common brick/block types used in the South African building industry.

	Std 222x90x90 brick	390x190x190 block	390x140x190 block	390x90x90 block
Bricks/m <sup>2</sup> single wall	52	13	13	13
Joint width of brickwork	10mm	10mm	10mm	10mm
( $\pm$ ) mortar per/brick	1.71kg/brick	3.08kg/block	2.27kg/block	1.68kg/block

The estimated values depicted in this table is based on single skin walls. A wastage factor of 5% -10% should be used to determine **Mortar Mix** quantities depending on whether the bricks/blocks are solid or hollow.

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## Packaging

Supplied in 40kg non-returnable paper bags.

## Manufacturer's Warranty

Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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