



# Vetonit Masonry Mortar MMR510

Premixed cementitious masonry mortar for CMU

## Uses

- Masonry Mortar can be used internally or externally in wet & dry conditions onto block walls & rough surfaces.
- Masonry Mortar can be used for cement & concrete blocks and panels.
- Masonry Mortar can be used for filling walls and joints

## Product Description

Vetonit Masonry Mortar is a cement based mortar composed of portland cement, selected graded aggregates and high performance additives. It is supplied as a dry powder in pre-weighed bags ready to use on site, which requires only addition of clean water to produce cohesive mortar. Masonry Mortar is a premium quality product contains special adhesion additive. Masonry Mortar can be applied in thickness from 5 mm to 30 mm. and the ideal application thickness is 10 mm.

## Advantages

- Factory controlled pre-blend ensures consistent high quality.
- Requires only addition of water on-site at the time of usage.
- Suitable for ME harsh weather conditions.
- Compatible for use with all types of CMU: solid, hollow, insulated.
- Strong bond in blocks & wall joints.
- Internal & external applications.
- Suitable for wet to dry conditions.
- Manufactured from local raw materials.
- Free from Asbestos or Asbestos Containing Materials.
- Non combustible, Reaction to Fire Class A1 (BS EN 998-2).

## Standards Compliance

- ASTM C-150, type I or BS EN 197-1
- ASTM C-144
- ASTM C-270 & C-780
- BSEN 998-2

## Technical Data

Vetonit Masonry Mortar	Typical Values @ 25°C
Appearance	Grey colour Powder
Aggregate size	2.4 mm max
Wet density (Kg/Liter)	1.90 approx.
Setting Time @ 25°C	3 - 4 hrs
Compressive Strength @ 28 day - Type N	≥ 6 N/mm <sup>2</sup>
Compressive Strength @ 28 day - Type S	≥ 12.5 N/mm <sup>2</sup>
Compressive Strength @ 28 day - Type M	≥ 17.5 N/mm <sup>2</sup>
Air Content	< 12 %
Water Retention	> 75 %
VOC	< 2 g/L.

## Usage Instructions

### Block Surface Preparation

The block surface should be sound, clean, free from loose material, grease, laitance, dirt, curing compound, etc.

Prior to Masonry Mortar application, wet the entire surfaces with clean potable water and surface should look damp at the time of Masonry Mortar application.

### Mixing

Add to the mixing container 6.5-8.0 litres of water for each 50 Kg bag of Masonry Mortar. Add the powder to the water and mix with a mechanical plaster mixer or low speed electric drill fitted with a suitable paddle for 3-4 minutes, until a uniform, lump-free consistency is achieved.

Leave the mixed material to stand for 10 min and briefly remix without addition of water.

Manual mixing is allowed for small batch quantities by mixing for approx. 1-2 min, or when homogenous mix is achieved.

Mixed mortar shall be used within maximum one hour of mixing. Dont use set mortar and do not retemper after setting.

### Application

Neutralize the suction of the block surface with water before applying mortar. Any excess water should be removed.

The masonry mortar is spread with trowel on the surface and joints where the blocks are to be mounted.

Fill joint in similar way as conventional sand/cement mortar.

After stiffening, the masonry mortar should be given a final smoothing to remove protrusions and eliminates undulations.

### Cleaning

All tools should be cleaned immediately after finishing by water. Hardened materials can be cleaned mechanically.

### Packaging & Coverage

Product	Pack Size
Masonry Mortar	50 Kg Bag

Product	Coverage
Masonry Mortar	15 L.M/ 10mm (Solid block 400x200x200 mm)
	22 L.M/ 10mm (Solid block 400x200x150 mm)
	30 L.M/ 10mm (Solid block 400x200x100 mm)

Stated consumptions data are for general guidance. Actual consumption depends on the nature of substrate, method of application and wastage.

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### Shelf Life & Storage

Original sealed bags of Masonry Mortar has a shelf life of 12 months provided it is stored clear of ground in a dry shaded place.

### Health & Safety

Masonry Mortar is highly alkaline therefore avoid direct contact with eyes or skin. It is recommended to use protective gloves and goggles during application. Any skin contact should be wash with soap & water. In case of eyes irritation, immediately wash with copious amount of clean cold water. Seek medical advice.

Masonry Mortar is non-flammable.

For further information, please refer to material safety data sheet.

### Curing & Environmental Conditions

After application, protect the built walls from any type of physical movement to avoid weakening the mortar bond.

Damp the built wall for the initial 48 hours by spraying water and covering it with impermeable sheets. continue moist curing process for at least 7 days.

The product should not be exposed to moving water during application.

Do not apply the product at temperature less than +5°C. During summer season the working area is recommended to be covered or shaded to prevent ill-effects from direct sun or strong dry winds.