



VBOND AAC BLOCK MORTOR (Walls & Concrete Surfaces)

Release: 1.5
Date / Revised: 1-07- 2019

Product Description:

VBOND AAC BLOCK MORTOR is a factory prepared blend of carefully selected raw materials, Portland cement and graded aggregates and polymers. Designed for use with water to produce high strength thixotropic mortar, for laying Aerated Light weight concrete, Fly ash bricks, cement hollow blocks, Cellular concrete blocks or smoothing over the block work surface in layers of up to 12mm thickness, that meet and exceed the requirements of National and International Standards.

Applications:

For interior and exterior use for preparing thin bed adhesive for AAC, ALC and cellular concrete blocks.

Advantages:

- ❖ No Water curing required
- ❖ Thinner jointing material with very high adhesion strength.
- ❖ Pre-mixed and ready to use
- ❖ Flexible, shock & impact resistant
- ❖ Only water is to be mixed at site.
- ❖ Improved adhesion between two blocks
- ❖ Improved bond strength, compressive & tensile strength
- ❖ Thin jointing with high adhesion to contribute to load bearing capacity of masonry
- ❖ easy to use
- ❖ Seepage/water percolation through joints is negligible due to better binding of mortar with masonry units.
- ❖ Long working time
- ❖ Fast & economical

Suitable Substrates:

- ❖ Concrete Blocks
- ❖ Cement Mortar Blocks/Bricks
- ❖ Concrete hollow blocks
- ❖ Aerated Light weight blocks
- ❖ Cellular concrete blocks
- ❖ Fly Ash Bricks
- ❖ Red Bricks

Packaging:

40 kg bag

Colours:

Grey



Technical Data

| S.NO | PROPERTIES | SPECIFICATIONS |
|------|------------------------|---|
| 1 | Appearance | Free flowing powder |
| 2 | Colour | Grey |
| 3 | Water demand* | 25-30% |
| 4 | Workability | Very good |
| 5 | Hard dry* | 24 hrs |
| 6 | Pot life Approximately | 2 hrs @ 27°C |
| 7 | Self curing* | Yes. No additional water curing is required |

Shelf Life: Factory sealed bag of this product is guaranteed for first quality for 12 Months

* If stored up in dry area.

Coverage:

Coverage is based on smoothness and evenness of the substrate, size of blocks used and the thickness of mortar used. A general guide line for coverage of mortar is given when used with 30% Water is added to powder

The following is the coverage table for wall area in Square feet that can be constructed using AAC Blocks of size 600mm X 200mm X 100mm

| Thickness | Coverage for 40 Kg bag |
|-----------|------------------------|
| 2 mm | 240 Sft |
| 3 mm | 160 Sft |
| 4 mm | 120 Sft |
| 5 mm | 100 Sft |
| 6 mm | 80 Sft |

NOTE: Coverage depends on the substrate evenness and the thickness at which the AAC Block Mortar is applied.



INSTALLATION

Surface Preparation

- The surface of masonry units should be slightly wet prior to application of Blocks.
- The masonry units should be clean, with no loose particles or dust for better bonding.
- The surface must be structurally sound. Efflorescence & any other contaminant which could impair the natural bond should be removed.
- Surface defects such as cracks, holes or voids should be repaired prior to application.

Mixing

Use approx. 40kg of AAC Block Mortar with Approx. 12 ltrs of potable water. Take water in the container and slowly add the powder into the water while mixing by hand or slow speed mixing machine. Mix for 3 to 5 minutes till a smooth thixotropic mix without lumps is obtained.

Application

- **Thin bed mortar for laying blocks:**

Before placing mortar, ensure the block work to be dry and surfaces cleaned properly. Place the mixed mortar on the block work in thin layers of 2 to 3 mm (or as required by engineers at site) using trowel and place the next layer of blocks on the mortar. Keep joints between the blocks as required by the site engineers and fill the joints with the mixed mortar, using a trowel. Check the plumb of the wall while laying the blocks to keep the walls perfectly vertical to the plumb.

- **Smoothing over the block work:**

Before placing mixed mortar, apply a bonding layer of 1 to 2mm thick AAC Block Mortar using a trowel pressing down on the block work. Then apply AAC Block Mortar at a thickness of 8 to 10mm and smoothen using a sponge or rubber / wooden float



Technical Data Sheet (TDS)



Availability & Costing:

See the list of dealers and contact nearest dealer for availability and cost details

Other Product Categories available with VBOND as below

- Premium Tile Adhesives
- Epoxy Grouts & Un sanded Grouts
- Micro Concrete and Repair Product
- Industrial/Precision Grout and Anchors
- Water Proofing and Injection Grouting Material
- VB-Ready Plaster
- Floor Screeds
- Epoxy Flooring
- Self-level Epoxy Flooring

Technical Services

Technical assistance information is available by calling the VBOND Technical Service at

Address:

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(AN ISO 9001-2015 CERTIFIED COMPANY)

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