

STRONG BOND-BLOCK JOINING MORTAR



Polymer based block adhesive for laying and construction with AAC Blocks and other light weight masonry units

Features/Benifits

- Improved bond strength
- No curing required after block work is done
- Flexible, shock & impact resistant
- Optimum compressive & splitting tensile strength
- Easy to use
- Long working time
- Fast & economical
- Stronger adhesion
- Consistent quality
- Superior / Advanced Technology
- Longer pot life
- Reduces wastage

Substrates

- AAC Blocks
- Cement Mortar Blocks/Bricks
- Concrete hollow blocks
- Light weight masonry blocks
- Cellular concrete blocks
- Fly Ash Bricks
- Calcium silicate bricks
- Clay Bricks

Application

For interior and exterior use for construction with thin bed mortar for AAC, ALC and cellular concrete blocks.

TECHNICAL DATA

Performance Properties:

STRONG BOND-Block Joining Mortar Adhesive
mixed with Water

Applicable Standards:
ASTM C 1660, ASTM C
270, IS 2250

IS 2250 DATA		
Property: Test Method	Requirement	Typical Values
Compressive Strength: Appendix A	5.0-7.5 MPa	5.3 – 6.0 MPa
Consistency: Appendix B	130-150 mm	135-145 mm
Water Retention: Appendix C	Minimum 70%	85%-95%

ASTM C 270 Data		
Property: Test method	Requirement	Typical Values
Compressive Strength: ASTM C109	Minimum 750 psi (5.2Mpa)	850-950 psi
Water Retention: ASTM C1506	Minimum 75%	85%-90%
Air Content: ASTM C91	Maximum 14%	10%-12%

ASTM C 1660 Data		
Property: Test Method	Requirement	Typical Values
Splitting Tensile Strength: Test Method ASTM C1660	58 -71 psi (0.40 – 0.49 MPa)	53 – 68 psi

Coverage:

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

Mortar Bed Thickness Coverage for 40 kg bag:

2 mm -240 Sft 3 mm 160 Sft 4 mm 120 Sft

Working Properties- at 70° F (21° C)
Strong Bond A AC Block Adhesive mixed with Water
Pot life -3 hours

Hard Dry -24 Hours

Shelf life- Factory sealed containers of this product are guaranteed to be of first quality for (1) year * If stored off the ground in a dry area . *High humidity will reduce the shelf life of bagged product

The adhesive mortar conforms to IS 2250

Specifications subject to change without notification.

Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

Packaging:

40kg bag

Appearance:

Free flowing powder

Colour:

Grey

APPLICATION:

Block 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.

Provide bond beams as suggested by the design engineer at site, which reduce the incidence of cracks in the block work during service periods.

Plaster: Plumb, square and true concrete block wall can be finished with the applications of Special polymer plaster from STRONG BOND. Plasters made with site mix may slump and powder due to water absorption of the block work.

Cleaning: Clean tools and containers with water while mortar is fresh.

NOTES: It is recommended to plaster the surface of AAC block walls and cure as per the standards before installation of tiles or stones over the walls. We do not recommend installing tiles and stones directly over the surface of AAC block walls

INSTALLATION**Surface Preparation:**

All surfaces should be between 40oF (4oC) and 90oF (32oC) and structurally sound, clean and free of all dirt, oil, grease, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth Portland Cement underlayment to provide a wood float (or better) finish. Installation may be made on a damp surface.

All slabs must be plumb and true to within ¼" (6mm) in 10 ft (3m). Follow ANSI Specification AN-3.8 "Requirements for Expansion Joints" or TCA Detail EJ171 "Expansion Joints". Do not cover expansion joints with mortar.

NOTE: In order to realize all the product advantages, for high quality construction and best performance, it is necessary to follow the AAC Block Manufacturer's

Mixing

Use approx. 40kg of AAC Block Adhesive thin bed mortar with Approx. 11 to 11.6 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.

CUSTOMER CARE

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