JINDAL AiR™
AAC BLOCK

BLOCK ADHESIVE

TECHNICAL DATA SHEET

JINDAL AiR™
ADHESIVE

Block Adhesive

- High bond strength
- Self curing
- 3 mm thinckness
- No shrinkage
- Crack resistance
- Conforms to ASTM C 1660-09

Super Storng Bond

Super fine, Crack free
Perfect Adhesiveness, Ready to use

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ADHESIVE

PRODUCT DESCRIPTION

JINDAL Air Block Adhesive – TBJM is Ecofriendly premix mortar consisting of high performance polymers & self – curing polymers, well graded sand, cement, which is used for fixing AAC/CLC/Fly - blocks etc. It is High Performance self-curing modified dry mortar. It is manufacturing from high performance polymeric additives which help in providing mechanical bond and adhesion bond between block to block and block to surface. JINDAL Air – Block Adhesive as per confirm ASTM C1660-09 for Thin Bed Jointing mortar.

KEY FEATURES

HIGH BONDING STRENGTH:
High Bonding Strength hich for fixing AAC/CLC/Fly Ash blocks etc. It is providing excellent mechanical bond & chemical bond.

NO SHRINKAGE CRACKS:
Water is retained in the mortar, thus prevents shrinkage cracks.

HIGH THERMAL INSULATION:
Thin joints prevent heat transfer through walls.

HIGH COVERAGE:
Due to low density & higher volume. A 30 Kg bag of the product covers 85-90sq.ft. with a thickness 3-5mm.

ECONOMICAL:
Quantity of the product required for laying blocks is 3 times less than conventional mortar. This saves money as well as time.

SELF– LIFE:
Due to retention polymers, curing is not essential after the application the application.

PREMIXED:
No jobsite blending of power is required, only water is to be added.

WORKABILITY:
Improve Workability Flow, water retention and open time due to high performance polymers.

ECO-FRIENDLY
JINDAL Air block adhesive – TBJM is manufacturing in factory by products of industry helps to reduce carbon footprint at the time no water required for curing helps save water resources.

COVERAGE TABLE AS PER THE BLOCK SIZE

Coverage @3mm thickness			
Biock Size (mm)			Wall area Coverage
Length	Height	Thickness	(Sq.ft/ 30kg bag)
625	200	075	110-130
625	200	100	100-120.2
625	200	125	95-110.5
625	200	150	85-100
625	200	175	60-85
625	200	200	50.5-60
625	200	230	45-50.5
625	200	300	28-40

NOTE: ABOVE DATA AS PER OUR INTERRNAL LAB TESTING & MAY VARY AS PER THE ACTUAL METHOD OF APPLICATION AT SITES

TECHNICAL PROPERTIES

ASTM C1660-09 STANDARD	
TECHNICAL SPECIFICATION	
Mixed Density:	1.60-1.85kg/Ltr.
Bulk Density:	1.45-1.62kg/Ltr.
Pot Life:	120-180 minute
Compressive Strength (@28 Days)	>5MPa
Tensile Splitting Strength (Dry Condition @28 Days)	>0.35 MPa
OPEN TIME	10-20 minutes
W/P Ratio:	0.20-0.25
Pull Out Bond Strength	>0.50 MPa

METHOD STATEMENT

SURFACE PREPARATION

- AAC/CLC/Fly Ash blocks should be well cleaned.
- Surface needs to be pre – wetted with water.

MIXING

- The recommended mortar consists of 6 to 7.5 litres water for 30 Kg Powder.
- Mix well with a hand trowel for small volume
- For large volume mixing. A slow speed drill is recommended.

APPLICATION

- Pre-soak the AAC /CLC/Fly ash Block with clean water and then allow surface to dry (Surface Saturated Dry – SSD).
- Apply thin layer of a mortar Of TBJ Musing a "U" notched trowels on AAC/CLC/ Fly ash Blocks.
- AAC/CLC/Fly Ash blocks fixing and levelling.
- Use rubber hammer to have good contact b/w blocks.

PACKING SIZE: - 30 KG

NOTE:

- Minimum thickness to be applied is from 3mm to take care of the undulation in the blocks as well as to ensure minimum 90% transfer leading to good bonding strength.
- Plastering can be done as per standard masonry practice after 4 days, conducting and chiseling can be done generally after 7 days.
- Coverage as per depending on masonry work, surface condition, application method etc.

SHELF LIFE & STORAGE

- 12 months from date of manufacturing in sealed condition.
- Store in cool and dry place.

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SCOPE

JINDAL Air Block Adhesive is carefully proportioned cementious mixture that high quality & well graded sand, cement, & High Per`formance which is used for fixing AAC /CLC/ Fly ash Block. It is self-curing Polymer modified dry mortar.

1. PRELIMINARY WORKS AND SURFACE

1.1 AAC /CLC/ Fly ash Blocks should be well cleaned
1.2 Surface needs to be pre-wetted with water.

2. MIXING

2.1 The recommended mortar consists of 6 to 7.5 litres water for 30 kg Powder.
2.2 Mix well with a hand trowel for small volume.
2.3 For large volume mixing. A slow speed drill is recommended.

3. APPLICATION

3.1 Pre-soak the AAC /CLC/Fly ash Block with clean water and then allow surface to dry (Surface Saturated Dry – SSD).
3.2 Apply thin layer of a mortar Of Block Adhesive using a "U" notched trowels on AAC/CLC/ Fly ash Blocks

4. FIXING BLOCKS

5. CURING

For most ambient conditions, no curing is required. In fast drying conditions such as direct sun or warm strong winds contacts, special curing like mist curing & spraying and temporary covering may be required.

For any further clarification don't hesitate to contact JINDAL Air Technical Department.

Technical Department

The information, and, in particular, the recommendations relating to the application and end-use of JINDAL Air products, are given in good faith based on JINDAL Air current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.