



# ECOBOND

aac block jointing mortar



ISO 9001:2015



Smart Cities & Green Building Concept in India



## ECOBOND

### AAC Block Jointing Mortar

#### Description

**Ecobond** – Block Joining Mortar is a high strength adhesive for quick and firm laying of AAC block with thin joints. It is a factory prepared blend of carefully selected raw materials, portland cement and graded aggregates and polymers.

#### Areas of Application

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

#### Important Features & Advantage

- Pre-mixed ready to use , only need to add water at site.
- High water retention capability.
- High bonding strength due to polymer modification of mortar.
- No water curing is required after construction of wall.
- Thin joint application prevent shrinkage cracks.
- Improved bond strength, compressive & tensile strength
- Thin jointing with high adhesion to contribute to load bearing capacity of masonry
- Due to Pre – mixed its save times for lengthy process like mixing materials, transport and separate inventory of material.
- Plastering can be done after 24 hrs. of application.

#### Surface Preparation

- Pre- Wet the block before applying Ecobond.
- The block, brick should be clean free from dust, voids, oil and grease etc.
- Ensure that the surface is flat, structurally strong and free from any other contamination which could reduce the bond strength.

### Mixing

- Take the required quantity of water in a clean bucket & add Ecobond Joining Mortar.
- Mix the product with water in the ratio of approximately 1:2.5.
- Always powder add into water.
- Mixing can be done manually or by stirrer continuously for 5 – 10 minutes to obtain a homogeneous lump free mix mortar.
- After proper mixing, leave the paste for 5-10 minutes for polymeric dispersion before application.
- Use this paste within 60 Min.

### Application Methodology

- Make leveling of first layer perfectly.
- Apply Ecobond uniformly on the Surface
- Apply vertical face and horizontal joint of each block with 3 to 4 mm thickness
- Ensure that proper contact between two block.
- Use rubber hammer to have good contact between the blocks.
- Go on placing the blocks with above method and erect the wall.

Clean the excess material

### Technical Parameters

Appearance	Free flow Grey Powder
Density of Powder	1.5 to 1.6 g/cc
Pot life of paste	60 Min
Open Time	10 - 15 Min
Tensile Adhesion Strength	>0.35 Mpa for 3 mm @ 28 days
Compressive strength	> 7 N/mm <sup>2</sup> @ 28 days

## Consumption

Block Size	Covergae per 40 Kg Bag
100 mm	150 to 160 sq..
125 mm	125 to 135 sq..
150 mm	110 to 120 sq..
200 mm	80 to 90 sq..

**Packaging** - Ecobond is Available in 40 kg LDPE Bags.

**Shelf Life** - Shelf life of sealed bag is 12 month from date of manufacturing.

**Storage** - Ecobond AAC Block Adhesive should be store in cool & dry place

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.

**Health & Safety:** Ecobond is non-toxic. Use of gloves and goggles is recommended. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought.

Note: Pot life, open time and adjustability time varies depending on the service conditions viz temperature, humidity and wind factor.

Note: These test values were obtained during our laboratory tests. Site mixes may show slight differences in performance due to methods of applications

## GLOBE CONSTRUCTION CHEMICALS

**An ISO 9001 : 2015 Company**

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