

# BJM (BLOCK JOINT MORTAR)

Polymer Based Block Adhesive for Laying and Construction with AAC Blocks and Other Light Weight Masonry Units



## PRODUCT DESCRIPTION

BJM (Block Joint Mortar) is a Versatile thin jointing material for laying AAC Blocks, concrete Blocks, Fly ash bricks, etc. This Mortar is specially designed to provide stronger, much more durable bonding between the blocks and superior adhesive strength. It replaces conventional cement and sand mix mortar. Laying and jointing of masonry units like fly ash bricks, Concrete Blocks, hollow blocks, AAC blocks, etc. jointing of prestressed concrete slabs, panels. jointing of Cement - Concrete Floor tiles. jointing of concrete window and Door frames.

## ADVANTAGES

- 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.

## APPLICATIONS

- BJM (Block Joint Mortar) is made from a unique combination of cement, graded sand and selective additives. The unique chemical combinations enable this mortar to more compact, thinner and more versatile.
- At only 3 mm thick it is far through than the conventional mortar which is between 12-18 mm. It is pre mixed so it is easy to use and also ensures the compaction of interlocking bricks making the bonds tougher and more durable.

## PRODUCT SPECIFICATION

PROPERTIES	RESULTS
Appearance	Free Flowing Powder
Color	Grey
Water demand at temp. 27°C & humidity 45-55%	25 - 30 %
Workability	Very good
Dry at temp. 27°C & humidity 45-55%	24 Hrs.
Pot life	Approximately 2 hrs. @ 27°C
Self-curing	No additional water curing is required
Tensile strength @ 28 days	0.8 N/mm <sup>2</sup>

## APPLICATION METHOD

### SURFACE PREPARATION

Surface of masonry units should be slightly wet prior to application if BJM (Block Joint Mortar). The masonry units should be clean with no Loose particles or dust for better bonding. Surface must be structurally sound. Surface defects such as cracks, holes or voids should be repaired prior to application.

### MIXING

- It is very important that BJM (Block Joint Mortar) is mixed with water thoroughly before use. It is advisable to use a Mechanical stirrer for uniform mixing to save time, labor and maximum workability effectiveness.
- Used a clean vessel / bucket and some water in the empty vessel to ensure no power gets stuck on the bottom of the vessel and put required quantity of BJM (Block Joint Mortar).
- Mixing ratio depending on the thickness of the product to be applied. Add approximately mix 25-30% of the clean water and 70% of powder and mix.
- Water is added in stages to get a smooth uniform workable mix. Allow time for initial mixing.

### APPLICATION

- Lay out the wall where BJM (Block Joint Mortar) is to be used and mark opening like door, windows. Apply a thin uniform layer of BJM (Block Joint Mortar) 3-4 mm thick on the clean and level surface of masonry unit using proper trowel.
- Place the next course of masonry units on the evenly laid jointing mortar bed in proper line and level. Each masonry unit shall be properly bedded and set in position by gently pressing with the handle of trowel After placing the first units apply BJM (Block Joint Mortar) of same thickness on both the side of the unit. Check for lines & levels.
- Inside face of the masonry unit shall be buttered with mortar before the next unit is laid and pressed against is especially in case of bricks. Clean the excess material, if any immediately continue the procedure for the entire masonry work.

### 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

### PACKING

BJM (Block Joint Mortar) Available in 40 kg bags Packing.

### STORAGE & SHELF LIFE

Store in a cool, dry place away from sunlight at temperatures below 30°C. Shelf life is 12 months in unopened container.

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