

MasterEmaco[®] BM105

Ready to use Cementitious Block Joint Mortar

DESCRIPTION

MasterEmaco BM105 is a non-refractory mortar consisting of high-performance polymers for bonding masonry units, like AAC blocks. It is made from polymeric additives which help in providing mechanical bond and adhesion between block to block and block to surface.

RECOMMENDED USES

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

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

FEATURES AND BENEFITS

- High Strength
- No curing required after block work is done.
- Flexible, shock & impact resistant
- 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
- Long working time
- Fast & economical

PROPERTIES

Aspect	Free flowing powder
Water/powder ratio, by wt.	0.23 ± 0.02
Open Time	Min 5 – 10 minutes
Compressive Strength	>5 Mpa
Bulk Density	1.33 gm/cc
Pot Life	1 Hr
Time to Plaster	24 Hrs

APPLICATION

Surface preparation

- Pre-wet the blocks and ensure it is touch dry before thin bed masonry mortar is applied.
- The surface for mounting must be thoroughly cleaned of all laitance, loose materials, oil, grease etc.
- Ensure that surface is flat, structurally sound and free from any other contamination which would reduce the bond strength.
- The surface should be free from voids, holes and cracks.

Mixing

- Place gauging water in a clean mixing vessel. Add powder and mix with a suitable mechanical stirrer until a plastic, lumps free consistency is achieved. Required water for 25 Kg bag is 5.75L liter depending on consistency.

Placing

- Put well mixed **MasterEmaco BM105** on the block and with the help of trowel, spread uniformly on the unit.
- Use notch trowel to comb the mortar for uniform spread and load transfer
- Apply block Mortar on all the contact edges for strong Adhesion and built
- Use rubber hammer to have good contact between the blocks.
- Go on placing the blocks with above method and erect the wall.

ESTIMATING DATA

For 4mm bed thickness coverage is 7-7.5 Kg/Sqm. The coverage will vary depending on surface condition and undulation in Blocks.

PACKAGING

MasterEmaco BM105 is available in 25 Kg Bag

MasterEmaco® BM105

SHELF LIFE

Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

Shelf life is 9 months when stored as above.

PRECAUTIONS

It is highly recommended to use necessary PPE (Gloves, mask etc.) during installation of the product. In case of Incidents of direct inhalation,

causing dizziness/giddiness, loss of consciousness, contact with eyes etc, seek immediate medical advice. The requirements may vary depending on the application areas. Please ensure to have proper ventilation while working in confined areas. Contact Master Builders Solutions representative in case you need further details or refer to the material safety datasheet of the product to know more.

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