

BLOCKFIX

• Uses

Blockfix is a versatile thin jointing material for joining AAC blocks, fly ash bricks, concrete blocks etc. This mortar is specially designed to provide stronger, much more durable bonding between the blocks with superior adhesive strength. It replaces conventional cement and sand mix mortar.

• Features

- Blockfix is made from a unique combination of cement, graded sand and proprietary additives.
- The unique chemical combination enables this mortar to be more compact, thinner and stronger.
- At only 3 mm thick, it is far thinner than the conventional mortar which is between 12-18 mm.
- Being pre-mixed it is easy to use and also ensures the compaction of interlocking bricks making the bonds tougher and more durable.

• Benefits

- Thinner jointing material with very high adhesion strength. Improves overall masonry strength.
- Pre-mixed and ready to use. Only water is to be mixed at site.
- Eliminates lengthy process of site mixing, transport and storage of all individual materials.
- No water curing is required after application.
- Easy to mix. Much faster to apply due to its superior flowability and water retention properties.
- Thinner layer of application for lesser shrinkage and seamless structure.
- Economical - quantity of mortar is far less than conventional mortar.
- Seepage/water percolation through joints is negligible due to better binding of mortar with masonry units.
- Ready for subsequent application like plastering just after 24 hours of application.
- Raking of joints is not required before plastering.
- Raw materials are processed, reducing the chances of efflorescence.
- Blockfix is made from eco-friendly materials.

• Disclaimer

The information given in this leaflet is for general guidance only. Specific instructions for various conditions can be provided on request.

• Application

SURFACE PREPARATION

The surface of masonry units should be slightly wet prior to application of Blockfix.

The masonry units should be clean, with no loose particles or dust for better bonding.

The surface must be structurally sound. Efflorescence & any other contaminant which could impair the natural bond should be removed.

Surface defects such as cracks, holes or voids should be repaired prior to application.

• Mixing

- It is very important that Blockfix is mixed with water thoroughly before use. It is advisable to use a mechanical stirrer for uniform mixing to save time, labour and for maximum workability effectiveness.

- Use a clean vessel/bucket which does not have any hole or cut and add some water in the empty vessel to ensure no powder gets stuck at the bottom of the vessel and put required quantity of Blockfix.

- Mixing Ratio - depending on the thickness of the product to be applied, add approximately 25-30% of the clean potable water. Water is added in stages to get a smooth, uniform, workable mix. Allow ample time for initial mixing.

- Ensure that no powder is left unmixed at the bottom of the vessel.


- The jointing mortar is now ready for application.

• Coverage

Under normal condition the coverage is approx 6.0 square meters with an average thickness of 3 mm for a bag of 30 kg for block size 600 X 200 X 150 mm.

• Storage

Blockfix should be stored in a dry place for better results. It should be used within 6 months of its production.

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● Method Of Application

- Layout the wall where Blockfix is to be used and mark openings like door, windows or any architectural appurtenances.
- Apply a thin uniform layer of Blockfix, 3-4 mm thick, on the clean & leveled surface of masonry units using proper trowel.
- Place the next course of masonry units on the evenly laid jointing mortar bed in proper line & level. Each masonry unit should be properly bedded and set in position by gently pressing with the handle of a trowel.
- After placing the first unit, apply Blockfix of same thickness on both the sides of the unit, keeping continuous check for the line & level.
- Inside face of the masonry unit should be buttered with mortar before the next unit is laid and pressed against it especially in case of bricks.
- Clean the excess material, if any immediately. Continue the procedure for the entire masonry work.

● Precautions During Usage

- Though Blockfix contains no toxic material, still care should be taken to avoid dust inhalation while mixing and handling. In case of contact with eyes or face, wash with plenty of clean water.
- Keep it in a dry place and out of reach of children.
- Persons who are allergic to cement should take proper precautions before use.

● Technical Information


1 Appearance	Free flowing powder
2 Colour	Grey
3 Water demand*	25-30%
4 Workability	Very good
5 Hard dry*	24 hrs
6 Pot life Approximately	2 hrs @ 27°C
7 Self curing*	Yes/No
additional water curing is required	
8 Tensile adhesion strength @ 28 Days	0.8N/sq.mm

● Temperature

23°C - 27 C and Relative Humidity: 45-55%

● Packaging

30 kg PP laminated bags.

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