

**DISCRIPTION**

Vitrifix Block Joint Mortar is a thin-joint, high-strength adhesive for faster and firm construction of blocks. It is manufactured through a controlled process enabling accurate blending of raw materials to ensure consistent quality, high strength, and water retention properties.

Polymer modified grey cement-based ready mix masonry mortar for fixing AAC/CLC and concrete blocks. It provides ideal bond to AAC/CLC/CONCRETE block walls and is made from cement, graded sand and polymeric additives which helps in providing mechanical bond as well as excellent adhesion between the blocks.

**STANDARDS:** It complies to the adhesion requirements of IS 15477 : 2004 Type 1 & 2 "Specification for Adhesives for use with Ceramic Tiles and Mosaics."

**FEATURES**

Good bond strength, Water resistant, Easy mixing & application, Self curing, Withstands hammering and chiseling, Complies to the requirement of IS 15477: 2004 Type1&2.

**PROPERTIES (TECHNICAL DATA)**

@ 27± 2°C	: Mixed Density 1.80 – 1.85 g/cc
Bed Thickness	: up to 6 mm
Walls	: Use 6 mm X 6 mm square notch trowel
Floors	: Use 12 mm X 12 mm square notch trowel
Mixing Ratio	: 1 p.b.w. Water to 4 p.b.w. (p.b.w = Parts by weight)
Adhesive Open Time	: 10 - 15 minutes
Pot Life	: 3 hours
Setting Time	: 24 hours
Tensile Adhesion IS 15477:2004 Type 1	
14 Days Air	: 1 kN
Shear Adhesion IS 15477:2004 Type 1&2	: 1 Day Air 4.15 kN 14 Days Air 8.90 kN
Temp. resistance	: -30°C to 150°C
VOC Content	: 0.44 g/L.

**COVERAGE ESTIMATES**

For 3mm bed thickness, coverage of 32 - 35 Kg per. m<sup>3</sup> of masonry or 4 - 4.5 Kg/Sq meter for 100 mm masonry. The coverage will vary depending on surface conditions.

**APPLICATION INSTRUCTIONS**

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 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.

**AREA OF APPLICATION**

AAC/CLC, concrete blocks.

**MIXING**

Take a clean pot containing potable water with 22% the weight of adhesive(1 kg adhesive: 0.22 lit water). Slowly mix and knead to form a homogeneous paste preferably using a mixer machine. Let the mixture stand for 10 minutes, Mix again for perfect blending without adding water. Do not attempt to extend the pot life by adding more water to the mixed adhesive.

**APPLICATION**

Lay well mixed adhesive paste on the block with help of trowel, spread mortar uniformly on the unit. Use notch trowel for good spread and firmly place the block with slight shear to ensure good transfer & bonding. Adhesive has to be applied on the faces of the block and on column and beam, material to be applied on both i.e. surfaces as well as on block to ensure good bonding at the joints. Use rubber hammer to have good contact between the blocks. Go on placing the blocks with above method and erect the wall.

Note: Minimum thickness to be applied is 3mm to take care of the undulation in the blocks as well as to ensure minimum 90% spread leading to good bonding Plastering can be done at construction site as per standard masonry practice generally after 4 days, conducting and chiseling can be done generally after 5 days. Shuttering has to be placed gently without impacting the block wall. Coping is to be done 5 days after block work

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## HEALTH AND SAFETY

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Direct contact with the adhesive can irritate the eyes and may irritate the skin; additionally, overexposure to the product's vapor may irritate the eyes, nose, and throat. You must avoid all eye and skin contact and ensure the workspace has adequate ventilation during use. If eye contact occurs, immediately flush the eyes with water for 5 minutes and seek medical attention. In the event of skin contact, promptly wipe the material from the skin and flush the area with water. As a standard precaution. PRECAUTIONS: Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.

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## STORAGE AND SHELF LIFE

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12 months when stored in normal dry conditions.

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## PACKAGING

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Vitri-fix Block Joint Mortar is available in 40 kg bag.

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## NOTE DISCLAIMER

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All statements, technical information and recommendations set forth herein are based on tests which we, believes to be reliable. However, we does not guarantee their accuracy or completeness. We cannot assume responsibility for the results obtained by others over hose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In no case will we be liable for direct, consequential economic or other damages.



**Name of excellence a brand of trust.**

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