

BLOCK FIX

BLOCK JOINTING MORTAR

A Polymerized Cement-based Mortar



WALLTRON BLOCK FIX is a polymerized cement-based mortar specially formulated for joining blocks. This mortar is specially designed and manufactured under stringent quality controls to give superior adhesive strength, higher durability and a strong bond between the blocks. This unique combination enables this mortar to be thinner, compact and versatile.

PRODUCT DESCRIPTION: PRODUCT:

WALLTRON BLOCK FIX Walltron Block Fix consists of cement, graded sand and specialized polymers which combine to give superior strength, water retention and stability

COMPOSITION	<ul style="list-style-type: none"> • Grey cement, graded sand, selected fillers, polymers
COLOUR TESTS	<ul style="list-style-type: none"> • Grey dry powder • Tested according to IS-4031, ASTM-C1660, & Internal test methods
FEATURES	<ul style="list-style-type: none"> • Increasing overall masonry strength & load-bearing capacity • Providing high compressive and high split tensile strength • Superior adhesive strength • Higher durability • Strong bond between the blocks
USES	<ul style="list-style-type: none"> • Easy to apply & Gives better levelling • Zero Wastage No Shrinkage Cracks No Curing Required • Save Time • Cost-Effective

TECHNICAL ANALYSIS (CONFORMS TO IS-4031, ASTM-C1660, & INTERNAL TEST METHOD)

TECHNICAL PROPERTIES

PARAMETERS	SPECIFICATIONS
CONSISTENCY @ 30-35% Water	Good
POT LIFE	> 30 minutes
SETTING TIME	30 - 600 minutes
DENSITY	1.5 to 1.8 g/ml
OPEN TIME	10-12 MIN (Depending upon site conditions)

MECHANICAL PROPERTIES PULL-OFF STRENGTH

DRY ADHESION	> 0.30 MPa
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COMPRESSION & SPLIT TENSILE STRENGTH (AFTER 28 DAYS)

COMPRESSIVE STRENGTH	CS IV-- >6 MPa
SPLIT TENSILE STRENGTH	> 0.4 MPa

WATER PROPERTIES

WATER ABSORPTION (AFTER 28 DAYS)	≤ max 0.20 kg/Meter ² Min0.5
WATER RETENTIVITY	> 95 %

GUIDANCE FOR USE

SUBSTRATE	AAC Blocks.
SUBSTRATE PREPARATION	<p>Clean loose particles, dirt, grease and traces of foreign materials from the surface, if necessary, by using wire brush/sand paper or by chipping.</p> <p>For loose plaster areas or floors/wall which are not even, then remove the defective material and re-plaster the area with Walltron Ready-Mix Plaster to make them even.</p>
MIXING	<p>Take approx. 300-350ml of clean water for 1 Kg of Walltron Block Fix in a clean bucket. It is very important that add material into water and not vice versa. Stir continuously for 3-5 minutes by using mechanical stirrer or by hand to obtain a homogeneous lump-free paste.</p> <p>Allow the resultant paste to stand for about 2-5 minutes for the additives to dissolve. Re-mix again for about 2 Minutes. The mixture is now ready to apply.</p>
APPLICATION	<p>Walltron Block Fix Mortar can be laying and joining of masonry units like AAC block.</p> <p>Before application surface should be clean and free from dust, grease, oil and any other foreign material.</p> <p>Pre-wet the surface of the block before applying mortar. Allow excess water to drain off.</p> <p>Apply the material on the block evenly with trowel. For best results it is advisable to use notch trowel of 3 to 4 mm to have better contact and bonding.</p> <p>Application should be done by the angle between 35 to 45 degrees, using the right amount of pressure.</p> <p>Use fibre hammer to remove any air gaps in between blocks for proper jointing and alignment.</p> <p>Fill the gap between two blocks with the help of trowel and remove excess material.</p> <p>Mortar should be spread on all sides of the block in such way to maintain the bond thickness 3-4 mm.</p> <p>The coverage area however will depend upon the quality and evenness of the substrate, thickness of joints.</p>
COVERAGE	3-4 Sq. Ft. / 1 kg at 3-4 mm thickness on 4-Inch AAC block. (Note: coverage may vary according to the different substrate)
USAGE PRECAUTIONS	<p>Do not add more water than recommended.</p> <p>Maximum thickness should not more than 3-4 mm.</p> <p>Walltron Block Fix contains non-toxic material but still, it is important to wear a safety kit when mixing and handling.</p>
SHELF LIFE	Walltron Blockfix block jointing mortar has a shelf life to 12 months when stored in covered dry shed and in sealed bags. If stored in high temperature and high humidity locations, the shelf life may be reduced.

STORAGE INSTRUCTION

Store in cool, dry, and well-ventilated place away from heat source or direct sunlight. Keep away from water and damp area. Avoid using partially used material; open bags with partially used material should be kept in a bag with its mouth tied tightly with string to prevent lump formation.

As temperature, humidity, water addition and other parameters vary from site to site; the above information should be treated as general guidelines.

HEALTH & SAFETY INFORMATION

It contains only eco-friendly fillers and additives. However, being cement based, it is alkaline and hence it is advisable to avoid direct eye and skin contact with this. In case of eye contact, kindly wash with clean water at least for 15 minutes and seek medical help and keep it out of children reach.

Disclaimer: Technical information is based on knowledge and experience of accurate results. These results refer to the long-term application of the product in practice. Recommendations and suggestions are listed for guidance only. Since site conditions during the applications are beyond the manufacturer's control, hence it is also the responsibility of the end-user to ensure that the content in their possession is the latest case.



FOR EXPERT CONSULTATION CALL: **8880 261 261**