



SAFFROKOL™

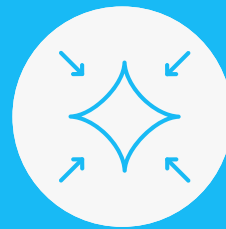


BLOCK JOINING MORTAR

Technical Data Sheet



High Bond Strength



No Shrinkage



High polymer Modified



Block to Block Bonding



Low VOC (ecofriendly)



Easy to use

PRODUCT DESCRIPTION

A high-performance, polymer-modified mortar adhesive designed for professional masonry work. It provides strong and durable bonding for concrete blocks, bricks, AAC blocks, and other masonry units, making it ideal for long-lasting construction.

BENEFITS

- Strong and reliable block-to-block bonding
- Easy to apply
- Improved compressive and tensile strength
- No shrinkage
- Best thermal insulation
- Low VOC for a safer environment
- Highly flexible
- Resistant to harsh weather conditions

SUITABLE FOR

- Aerated lightweight blocks
- Solid and hollow concrete blocks
- Cement mortar bricks and blocks
- Cellular concrete blocks
- Fly ash bricks

TECHNICAL DETAILS

Block Joining Mortar [Conforms to ASTM-C-1660-09](#)

PHYSICAL PROPERTIES @70° F(21°C)

Block Laying Adhesive mixed with water

| Parameter | Results |
|---------------------------------|---------------|
| Colour | Grey Powder |
| Mixing Ratio (Part A to Part B) | 3.5:1 |
| Bulk Density | 1.3-1.5 gm/cc |
| Mixed Density | 1.7-1.9 gm/cc |
| Pot Life | >3 Hours |
| Open Time | ~25 Minutes |
| Adjustability | ~20 Minutes |
| Final Setting Time | 24 Hours |
| Max. Bed Thickness | 8 mm |
| Time To Light Foot Traffic | 16-24 hours |
| Compressive Strength | >7 MPa |
| Split Tensile Strength | >0.41 MPa |

INSTALLATION GUIDE

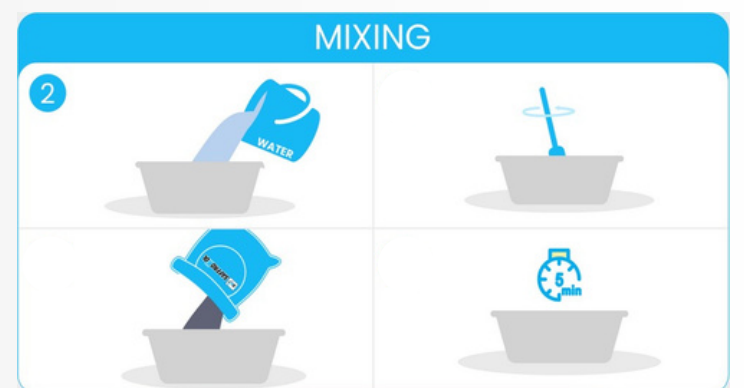
1. Surface Preparation:

- Before starting, check that the surface is clean and free from dust, loose particles, or unwanted materials. If needed, dampen the surface with clean water to improve adhesion.



2. Mixing:

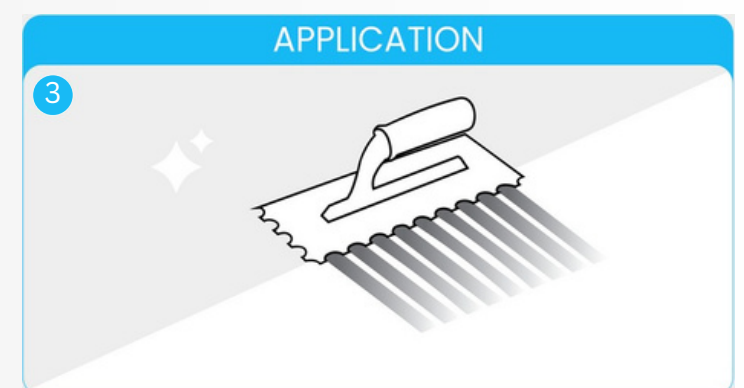
- For 20 kg of Block Joining Mortar, use 5–6 liters of clean water.
- Always add the dry mix to the water.
- Mix thoroughly by hand or with a slow-speed electric stirrer until you get a smooth mixture.
- Let the mixture rest for 2–3 minutes to activate the polymers, then remix before applying.



3. Application

The blocks should be dry and clean before applying the mortar.

- Using a trowel, spread a thin 3–4 mm layer of mortar on the block surface.
- Place the next block firmly over the mortar and maintain proper joint spacing as required.
- Fill the joints with mortar using a thin bed trowel.
- Continuously check alignment using a plumb to keep the walls perfectly vertical.



COVERAGE

Coverage is based on smoothness and evenness of the substrate, size of blocks used and the thickness of mortar used. A coverage of 20 kg is 60 to 70sqft in 3mm thickness, when used with AAC Blocks of 600 mm x 200 mm x 100 mm size.

Prepare adhesive by Block joining mortar 085 to 5–6 liters of water in 20 kg and not vice versa.

SHELF LIFE

The Block Joining Mortar has a shelf life of 12 months when kept in a cool, dry place. However, since factors like temperature, humidity, and site conditions can vary, this timeframe should be considered a general guideline

LIMITATIONS

- This product is not a substitute for a waterproofing membrane. If waterproofing is needed, use a suitable product, such as our waterproofing solutions.
- Not recommended for soft, polished marble or delicate glazed tiles.


SAFETY PRECAUTIONS

- Keep away from children.
- Wear appropriate protective clothing, gloves, and eye/face protection while handling.
- If it comes into contact with skin, wash thoroughly with clean water.
- In case of eye contact, rinse immediately with plenty of water and seek medical attention.
- For professional use only.



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