





TECHNICAL DATA SHEET



RITEBUILD® BJM

(Block Jointing Mortar)

(Ref. SIPL / TDS / BJM / 0523 / R-02)

Product Description

RITEBUILD®BJM is a thin-bed, high bond strength, pre-mixed, quality assured mortar comprising of portland cement, specially graded sand and blended with polymer admixtures. It is specially formulated for giving a higher bonding with higher air entraining properties with easy application. RITEBUILD® BJM is a masonry mortar for use in laying bricks or block. It replaces conventional jointing mortar of 12-18mm thickness with highly versatile 3mm thickness mortar.

Special Features

- Thin bed, high bond strength masonry mortar
- ASTM C 1660 Classified Product
- Comprising of high grade Portland cement, graded sand and polymer admixture
- Higher bounding with higher air entraining properties
- Suitable for concrete blocks, AAC blocks, cement mortar blocks / bricks.
- Also applicable to joint concrete hollow blocks & fly ash bricks
- No shrinkage cracks





SANGHAVI INDUSTRIES PVT. LTD.

(ISO 9001:2015 CERTIFIED COMPANY)

B-102, Safal Solitaire, Next Divya Bhaskar, S. G. Highway, Makarba, Ahmedabad, Gujarat - 380 051 India













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Application

- Suitable for fixing of AAC & CLC blocks
- Suitable for fixing of hollow blocks, concrete blocks
- Suitable for fixing normal bricks and fly ash bricks
- Suitable for block to block and surface to block fixing applications
- Suitable for both Interior and exterior application area

Advantages

- Quick setting property "GLUES" the blocks together quickly
- Single component, Ready to use product (just water to be added at site as per mix ratio) which saves lots of time and manpower cost
- Ready mixed product designed for new construction and renovation purpose
- Good workability and low shrinkage
- It doesn't cause damage to eco system
- High bonding strength
- No curing required post fixing the blocks

Suitable Substrates

- Concrete blocks
- Cement mortar blocks / bricks
- Cement hollow blocks

- AAC blocks
- Fly ash bricks

Coverage

- Approx. 110 120 sq. feet per 40 kg bag with 6mm x 6mm square notch trowel (Brick size 600 x 200 x 150mm)
- Coverage depends on thickness of adhesive used and the smoothness, evenness, porosity of the block used
- Above results are as per standard laboratory conditions
- Coverage may vary depending upon the site condition and substrate absorption

Packing

40 Kg Bag

Shelf Life

Factory sealed bags are best before 12 months from the date of manufacturing in unopened condition stored in dry area

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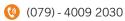
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How to Apply

Surface Preparation

- The surface should be clean and free from dirt, oil and grease before applying the product
- Ensure that the substrates is flat, stable, well adhered and has normal absorption
- The surface of masonry area should be slightly wet prior before application
- The surface should not have cracks, holes and that are should be repaired before application
- Ensure to remove loose particles, dust or contaminates on block surface prior to commencement of RITEBUILD® BJM application work.
- Pre-wet the blocks and it should be touch dry before application
- Uneven surface or undulations (if any) should be made smooth with proper mortar or screed (use MYMIX SBR 330 to make mortar or screed)
- The proper preparation of the surface will make the fixing easier and quicker ensuring a better finish
- New concrete is recommended to be 1 month old and completely dried before application

Mixing

- Take 8.0 to 9.5 litres (20 to 24% weight) of cool and clean tap water in a clean mixing drum or bucket and add 40 kg of RITEBUILD[®] BJM
- Stir properly for 5 minutes by hand or an electric stirrer to get a smooth and homogeneous mixture
- After stirring wait for 3-5 minutes to allow slake the mix, stir once again. Adjust the consistency
 if necessary
- Ensure that no powder, lumps particle and unmixed material left in the mixture

Application

- Apply a thin uniform layer of mortar on clean block with a mason's square notch trowel (6mm x 6mm) to make an even joint layer of 2-3mm thickness
- RITEBUILD® BJM to be applied on all faces of block and on columns/adjacent walls/ beams to ensure proper bonding at all the joints
- Always check the plumb level of the wall while lay down the blocks
- Place the next layer of RITEBUILD® BJM on the blocks and go on placing the blocks with above method
- Use rubber mallet to get good contact between blocks
- Should keep the joints between the blocks and Remove excess materials if any from the joints.
- Allow to cure the adhesive for at least 24 hours prior to go for subsequent application

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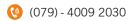
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Other Recommendations

- If Tiling is required then RITEBUILD[®]CTA / FTA / UTA can be applied for tiling application
- Based on the applications RITEPOXY[®]ESG 1200, Glitter Star, TR, EIG 2200 and cementitious grouts (CGU) can be applied which are available in more than 28 colours. Refer technical data sheet.

Notes on Application / Limitations

- For wall laying surface should be in good condition
- Do not add excess water that recommended. Always add powder to water & never add water to powder
- During application, do not attempt to extend the pot life by adding more water to the mixture
- Product performance on site varies subject to site conditions and installation procedure followed
- Do not add any other materials or substrates like sand, aggregates, cement etc. to the product. It may adversely affect the performance of product
- MYMIX BJM is not recommended for tile fixing

Technical Data

General Properties

Testing Parameters	Result	
Mixing Ratio	Approx. 20 - 24% by weight	
Colour	Available in GREY	
Open Time @ 23°- 27° C	15 - 20 minutes	
Pot Life	50 - 70 minutes	

Testing Parameters	Result		
Density of Mixture	1.90 - 1.95 g/cm ³		
Setting Time	8 - 10 hours		
Time for Plastering	24 hours		
Service Curing	14 days		

Physical Properties

Testing Parameters	Standards	Results
Compressive Strength (28 th day)	ASTM C 109	>9.5 Mpa
Shear Adhesion Strength (28 th Day)	IS 15477	>1.25 Mpa
Tensile Adhesion Strength	EN 1348	>1 Mpa
Splitting Tensile Strength	ASTM C 1660	0.40 Mpa

Precautions

- Keep out of reach of children
- Wear suitable protective cloths, respirator and gloves
- In case of contact with skin / eyes, wash immediately with plenty of water & seek medical help

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