

Description:

Block Jointing Mortar is a pre-mix, pre packed Cementous adhesives for joining the AAC blocks. It is cost effective and easy to use product with no curing required at site. BJM is a Polymer based, non-shrinkable, self-curing mortar material with premix of Grey / White Cement, Graded Sand and Polymer for better binding properties.

**Characteristics:**

- Easy to mix and apply, just add water
- Flexible, shock and impact resistance
- No curing required
- Ideal for internal and external application
- Suitable for concrete blocks, AAC blocks, Hollow blocks, Cement mortar blocks / bricks.
- High bonding strength
- Crack resistant
- Thin layer application with high adhesion
- Excellent strength and adhesion between blocks

Sope Of Use:

RI-Bond Block Jointing Mortar is specially designed for bonding Autoclaved Aerated Concrete (AAC) Blocks. It can also be used for laying clay bricks for internal and external application.

Substrate Preparation:

The block side surfaces should be free of lose particles, dust, dirt, grease, oil. Spray the panel side surface with water before applying the mix. If expansion joints exist, do not cover with adhesive. Follow the specifications for the requirements for expansion joints.

Application:

Pre wet the surface of the block before applying mortar. Allow excess water to drain. Apply the material on the block using notch trowel of 3-4 mm. Use Fibre hammer to remove any air gaps in between blocks. Fill the gap between blocks with the help of trowel and remove excess material. Mortar should be spread on all sides of block in such a way that maintains the thickness 2-3 mm.

Mixing:

Add RI-BOND Block Jointing Mortar bag of 40 kg into a container of 7.6 to 8.4 litre of clean water. Mix until a uniform lump free consistency mix achieved. Leave the mix to stand for 5 minutes and remix again before uses. Use low speed mechanical mixer (200-300 rpm) with a suitable mixing paddle.

Cleaning:

Clean all tools and application equipment's with water before the product dries. Hardened/cured material can only be removed mechanically.

Product Safety:

Product contains cement, strongly alkaline reaction with moisture, so protect skin and eyes. After contact wash immediately with plenty of water. After eye contact also seek medical advice. It is recommended to use protective gloves and goggles. For further and complete information about the safe use of our product, please refer to the latest version of our Material Safety Data Sheet.

Please Note:

- Do not apply BJM in rainy weather, high winds or stormy weather.
- Ensure that first layer of block is fix proper with perfect alignment
- During sunny season, working area should be cover to prevent direct sun effect. Keep equipment cool and used normal water.
- The possible humidity rise is expected in the floor, it is recommended to apply proper damp course coating.
- Spray the block wall with water before applying the plaster.
- Keep 1-2 cm gap at the top end of the well below the slabs or the beam. Fill the gap with comprisable material.

General Data:

- Colour : Grey / White
- Appearance : Cementitious Lumps Free Grey / White Powder
- Pack size : 40 Kg Bag
- Base : Cement, Hydraulic Binders, Bonding Agents, Silica Sand and Special Adhesives.

Technical Data:

- Bulk Density : 1.6 ± 0.05
- Mixing Proportion : 20% - 30%
- Pot Life : > 60 Minutes @ 27° C
- Open Time : 30 Minutes
- Recommended Thickness : 3-10 mm

Mechanical Properties:

- Compressive Strength (After 28 Days) : 6 MPa
- Flexural Strength (After 28 Days) : 1.5 MPa
- Water Absorption (After 28 Days) : < max 0.20 kg/m²

Coverage:

Approx. 110-120 sq. ft. per 40 kg bag with 6mm x 6mm square notch trowel (Block size 600 x 200 x 150 mm) Coverage depends on thickness of adhesive used & the smoothness, evenness, porosity of the block used.

Shelf Life:

12 months from the date of manufacturing, while stored in undamaged dry conditions and original packaging.

The product is compliant with the ASTM C-109, ASTM C-580, ASTM C-1660 & EN 1348 standards.

OTHER INFORMATION

For more information or support or guidance, please consult our technical expert or refer our website:
www.ribondchem.com

Apart from the information given here it is also important to observe the relevant guidelines, regulations and common standards of various organizations and trade associations. The afore mentioned characteristics are based on practical experience and applied testing. Confirmed properties and possible uses which go beyond those listed in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23° C and 50 % relative air humidity unless specified otherwise. Please note that under other climatic conditions, hardening can be accelerated or delayed and that the product itself is subject to local conditions. The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part or unless there is a case of personal injury or death or a case of liability under the Product Liability Act.

This technical data sheet supersedes all previous editions relevant to this product. Please be aware that this Technical Data Sheet only relates to a product manufactured in the specific relevant production site.

This TDS is a property of :

RI-Bond Chem LLP

D-508, Ganesh Meridian, SG Highway, Opp. Kargil Petrol Pump, Ahmedabad (Gujarat)-380060

www.ribondchem.com | sales.support@ribondchem.com | 18003092858