



Nafufill® BJM

Ready To Use, Non-Shrink, Self-Cured Block Joining Mortar

Product Properties

- One -Component only addition of water required.
- Hand application hence easy to apply
- It Has self-Curing Properties
- Non-Shrink with high Bond strength

Areas of Application

- Suitable for Fixing AAC Blocks, Concrete blocks, Fly ash Bricks, Hollow blocks
- Can be used as an bedding mortar for Brick Masonry Work.

Application

General

Nafufill® BJM is a ready to use single component, non-shrink, self-curing user-friendly Block joining mortar. It is Blended with Premium Quality graded aggregates along with Hydraulically setting binder with some good quality additives as a mineral admixture. It does not require water additionally for curing.

Application Instruction

Substrate Preparation

Substrate must be free from any unsound particle and all the Blocks used for joining should be structurally Sound. Before **Nafufill® BJM** is applied the substrate must be pre-wetted thoroughly. If the applied area is completely dried out, pre -wetting should be done. Proper Care should be taken so that there will be no standing water on the surface. When beginning to apply **Nafufill® BJM** the surface should be slightly damp, or in the SSD condition.

Mixing

Nafufill® BJM must be mixed mechanically by using a slow speed mixer with approx. 400 to 500 rpm for achieving a homogeneous consistency. Mixing of **Nafufill® BJM** should not be allowed by hand or any concrete mixture. Before Mixing put 2/3 of water in the mixing bucket and add powder into the water slowly and mix for 3 min then add rest 1/3 of the water in to the bucket and again mix for 3 min. then allow it to settle for 5 min in the mixing bucket so that all the polymers will be dispersed properly.

Application

Mixed **Nafufill® BJM** can be Spread over the block or the application area evenly with a uniform thickness of 3mm. Then place the blocks on the **Nafufill® BJM** applied area ensuring full contact with the mortar. During placing the blocks proper alignment and positioning should be done. Before using all the blocks should be Pre-wetted or soaked with water and make it proper SSD condition. All the vertical joint should be packed with this mortar for getting perfect joint.

Finishing

After application of **Nafufill® BJM** may be smoothed and finished with a wooden or plastic float by removing excess material. Then Same procedure will be followed for the next block joining process. Do not disturb the applied area for at least 24 hrs.

Cleaning

Clean all the tools and application equipment's immediately with water after finishing the works. If it will not cleaned with water immediately then it will be removed mechanically.

Curing

Nafufill® BJM must be prevented from drying out too rapidly and protected from direct sunlight and wind. No water curing is required for proper curing.

**Technical Data for Nafufill® BJM**

Characteristic	Unit	Value*	Comments
Coverage	Kg	3 - 4	Per sqmtr in 3mm thickness
Added Water	Liter %	6.6 – 6.9 21 – 23	Per 30 kg Bag
Bulk Density	Kg/m ³	~1.33	At 27 ^o C
Compressive Strength	N/mm ²	>10	After 28 Days
Finishing Time	Minutes	90	At +25 ^o C
Application Conditions	^o C	≥+5 - ≤+45	Air and substrate temperature
Tensile strength	N/mm ²	>0.5	After 28 Days

*All the technical Values were determined in laboratory, at a temperature of 20^o C and 65% relative humidity

Product Characteristics for Nafufill® BJM

Type of Product	Polymer modified cement mortar
Form	Grey Powder
Shelf Life	6 Months from date of Manufacture if stored in Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Delivery	30 kg sacks
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Safety Advice

Please Take notice of the safety information and advice given on the packaging labels, safety information sheets and General Application Advice.

Note: - The information on this Data Sheet is based on our experiences and correct to the best of our knowledge. It is However, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our Data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are binding if given in written form. The accepted engineering rules must be observed at all times.

Edition: - MC/IND/190512, Some Technical Changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.