

# InstaMix<sup>®</sup>

## BOND-AID

BRICK-N-BLOCK JOINTING MORTAR



## The bond that strengthens every home

Brick and block jointing mortar with revolutionary SRM technology



### SRM additive technology to enhance performance:

- Spreadability & Workability
- High Bond Strength
- Dimensional Stability
- Water Resistant
- Self Curing

# Description

InstaMix Bond-Aid is a premix high quality mortar for jointing and bonding of all types of substrate like AAC Blocks, Concrete Blocks, Hollow Blocks and Bricks. It consists of cement, graded sand and specialized polymers which combine to give superior strength, water retention and stability. It replaces the conventional method and material of jointing mortar which requires a 12-18 mm thickness with a revolutionary 2-3 mm joint thickness and only requires addition of water before application to prepare the product for use. The product technical parameter complies with ASTM C 1660-09.



# Technical Data Sheet

Parameter	Product Specification	Reference Standard
Appearance and Color	Free flowing and grey in color	....
Sand Size (microns)	less than 600	IS 383 -2018
Dry Density (Kg/m <sup>3</sup> )	1650-1750	....
Wet Density (Kg/m <sup>3</sup> )	1850-1950	....
Water Demand (Lit / 50 kg Bag)	(12 to 14 Lit.) 24-28 %	....
Bed / Joint Thickness (mm)	2 to 3	....
Pot Life (min)	90-120	....
Adjustment Time (mins)	Up to 20	....
Mixing Time (mins)	3-7	....
Hard Dry (Hrs)	24	....
Coverage Area sq. ft. 4" AAC Block Wall (sq. ft. /50 kg bag)	155-175	As per good practice
Coverage Area sq. ft. 6" AAC Block Wall (sq. ft. /50 kg bag)	110-130	
Compressive Strength (MPa @ 28 Days)	>12	EN 1015-11
Tensile Adhesion Strength (MPa @ 28 Days)	≥0.8	EN 1348
Splitting Tensile Strength (MPa @ 28 Days)	≥ 0.5	ASTM C 1660-09
Self Curing	Yes	....

### Note

Technical parameter in this data sheet is as per laboratory test results and may vary site to site as per the actual method of application.

# Application Procedure



## Mortar Mixing

In a clean bucket/container, mix Instamix Bond-Aid Block Jointing Mortar in 12 to 14 litres of water.



## Mixing by Mixer or Tool

Mix initially for 3-7 minutes by electric mixer or an appropriate tool to mix homogeneously.



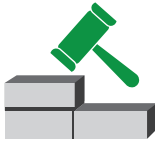
## Reaction Time

Allow mortar to stand for 5 minutes.



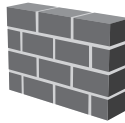
## Mortar Spread

Mortar should be spread on horizontal and vertical sides of block in such a way to maintain the bond thickness of 2-3 mm.



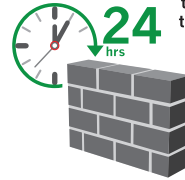
## Alignment

Use spirit level and fiber hammer/mallet to remove any air gaps in between blocks for proper jointing and alignment.



## DND

The setting time is affected by climatic condition, allow stand alone time accordingly.



## Setting Time

Do not disturb the wall after application of mortar for at least 24 hours.

# Brick Masonry Application

- The brick masonry construction activities will be same as per standard methodology.
- Start the first layer of Instamix Bond Aid on floor to cover all undulations for leveling the surface.
- The procedure of mixing and applying of Instamix Bond Aid will be same as for blocks.
- The horizontal and vertical joint layer shall have thickness from 8 to 10 mm or as per the actual site condition. (This may go up to 15 mm or more as per actual size and shape of bricks available).
- Ensure that brick courses are perfectly aligned in horizontal and vertical.

# Features & Benefits

- Thinner jointing with high adhesion gives better quality and output of overall masonry work.
- Factory made product with consistent quality.
- No water curing is required at site.
- Ready to use, only clean water to be added at site.
- Better bond than conventional cement based mortar.
- Negligible wastage.
- Economical.

# Uses

For interior and exterior masonry walls use for preparing thin bed adhesive for:

- AAC Blocks
- Concrete Blocks (solid & hollow)
- Bricks
- Suitable substrates

# InstaMix®

## BOND-AID

BRICK-N-BLOCK JOINTING MORTAR



### Packaging

## 50kg

### Shelf Life

6 months from the date of manufacturing if kept in cool, dry conditions, in unopened original packing.

## Safety Guidelines

- Exposure limits – No exposure limit known for ingredients.
- Personal Protective Equipment.
- Respiratory protection.
- Eye protection safety goggles.
- Skin protection impervious gloves.
- Other plastic apron, face shield, hat, boots.
- Observe the usual precautions when handling chemicals. Provide adequate & general local exhaust ventilation.
- Industrial Hygiene: Wash hands before breaks and after finishing work. Do not eat, drink or smoke at the workplace.

### Disclaimer:

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice. Before application, customers and users are requested to check that they have the latest version of this document from our website.

 Toll Free: 1800 345 6666  Whatsapp 'NUVOCO' to 98300 17272

Choose from our range of over 35 products:

Cement | Modern Building Materials | Ready Mix Concrete

**CONCRETO**

**DURAGUARD**

**ZERO M**

*Artiste*

**InstaMix**

