JKCement

# BLOKMaxX

## Universal Block Adhesive

**Technical Data Sheet**


***High Performance***
***Thin Bed***
***Jointing Mortar***

Conforms to ASTM C 1660-09

Conforms to EN1015

***JKCement BlokMaxX - Universal Block Adhesive is a cement based mortar specially formulated for binding AAC, CLC, ALC blocks. This mortar is designed to give superior adhesion strength, high durability and a strong bond between the blocks. JKCement BlokMaxX is a versatile thin bed jointing compound.***

## Area of Application

**This product is recommended for masonry wall preparation with AAC blocks, CLC blocks, Hollow blocks, Clay blocks and Fly Ash bricks.**

## Substrates

- **AAC Blocks**
- **CLC Blocks**
- **Hollow Blocks**
- **Clay Blocks**
- **Fly Ash Bricks**

## Key Benefits and Features

- **Strong bond between blocks**
- **Higher durabilty**
- **Superior adhesion**
- **Provide high compressive and flexural strength**
- **Cost efficient and time saving**
- **Minimum shrinkage**
- **Self curing**
- **Consistant quality**
- **No VOC**

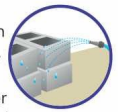
## Typical Properties

| | |
|---|---|
| **Color** | **Grey** |
| **Bulk Density** | **1.5- 1.7 Kg/Litre** |
| **Water-Powder Ratio** | **22%-25%** |
| **Pot Life** | **90 Minutes @ 27°C** |

*Note: Result depends on weather and site conditions*

## Application Procedure

**1. Surface Preparation**



- Prepare the surface, before the application of JKCement BlokMaxX by removing dirt, dust, oil and any bond inhibiting agents.
- Surface to be cleaned with help of water jetting, mopping and wire brush. Wet the blocks, bricks, concrete blocks before the application of JKCement BlokMaxX to avoid any abrupt absorption.

**2. Mixing and Blending**

- Take approximately 22-25 % of clean water to JKCement BlokMaxX in a clean bucket. It is very important to add powder material into water and not vice-versa.
- Mix continuously for 3-5 minutes by using mechanical stirrer or by hand. Allow the mix to stand for 5 minutes to obtain a homogeneous lump-free paste.
- Re-mix again for a few seconds. The mixture is now ready to apply.

**3. Application**

- JKCement BlokMaxX can be used as masonry mortar for laying and joining of various types of light weight concrete blocks.
- Apply JKCement BlokMaxX on pre-wetted blocks evenly with notched trowel for good transfer and firmly place the block with a slight shear to ensure good bonding.
- Make sure that the jointing compound is applied evenly in 3-4 mm thickness for better adherence between the blocks.
- For better bonding between the blocks, apply the jointing compound on the surface as well as on the blocks.
- Make sure to use a fibre hammer to remove any air gaps between the blocks for proper jointing and alignment.
- The coverage depends on the surface, evenness of the substrate and thickness of joints.

## Technical Information

**Test specification requirement as per ASTMC 1660-09**

| S. No. | Test Property | Typical Values |
|---|---|---|
| 1 | Tensile Adhesion Strength (after 28 days) | 0.70 - 1.20 N/mm$^2$ |
| 2 | Compressive Strength (after 28 days) | 7.10 N/mm$^2$ |
| 3 | Flexural Strength (after 28 days) | 3.00 N/mm$^2$ |
| 4 | Shrinkage Strength (after 28 days) | 1.25 - 1.70 N/mm$^2$ |
| 5 | Splitting Tensile (after 28 days) (ASTMC 1660-09) | 0.70 N/mm$^2$ |

**Packing:** 40 Kg BOPP Bag
**Coverage:** Approx 160-180* sq.ft. per 40 Kg bag when applied at an average thickness of 3mm.
* Coverage depends upon surface conditions, size and undulation of blocks.
**Shelf Life:** 12 months from the date of manufacturing, when stored in dry area.

Note: Actual coverage and field performance will depend on installation method and site conditions.