

BX BLOCK

Block Jointing Mortar

BX Block is a premium, semi-premix, self-curing thin-bed mortar specifically designed for jointing AAC (Autoclaved Aerated Concrete) Blocks. Comprising high-grade OPC 53 Cement, dry graded sand (1 mm down), and specialized polymers, it delivers excellent compressive strength, water retention, and stability. BX Block replaces traditional mortars that require 10-12 mm jointing thickness with an innovative 2-3 mm thin-bed application.



KEY ADVANTAGES

- **High Compressive Strength:** Improved bonding between blocks for durable construction.
- **Thin-Bed Technology:** Only 2-3 mm thick joints needed, significantly reducing mortar consumption.
- **Self-Curing:** Eliminates the need for post-application curing.
- **Quick Application:** Pre-mixed product only requires the addition of water, simplifying preparation.



TECHNICAL PROPERTIES

▲ Splitting Tensile Strength	$\geq 0.40 - 0.5 \text{ N/mm}^2$ (as per ASTM C-1660-09)
▲ Tensile Adhesion Strength @ 28 Days	$\geq 0.75 \text{ N/mm}^2$ (as per EN 1348)
▲ Compressive Strength at 28 Days	$\geq 8 \text{ N/mm}^2$ (as per IS-2250/ASTM C-109)
▲ Workability (Flow Table)	170-180 mm at 28% water content (at 27°C)
▲ Bulk Density	$1550 \pm 50 \text{ Kg/m}^3$
▲ Pull-off Adhesion Strength	$\geq 0.60 \text{ N/mm}^2$ (on hard concrete at 28 days)
▲ Water Retentivity	90-100% (on AAC Blocks)

PRODUCT STANDARDS & REFERENCES

- IS-2250 (Masonry Mortars)
- ASTM C-109 (Compressive Strength of Hydraulic Cement Mortars)
- ASTM C-1660-09 (Thin Bed Mortar for AAC Masonry)
- EN 1348 (Tensile Adhesion Strength for Adhesives)
- IS-4031 (Physical Tests for Hydraulic Cements)



PRODUCT CHARACTERISTICS

▲ Physical Nature	Free-flowing grey powder
▲ Water Demand for Application	25±5%
▲ Ease of Spread	Excellent (compared to conventional mortars)
▲ Hard Dry Time	Approximately 24 hours
▲ Pot Life	60 minutes
▲ Mortar Requirement (650 mm x 150 mm block)	500-600 g (joint thickness 2-3 mm)
▲ Coverage (per 40 kg bag)	170 ft ² (joint thickness 2-3 mm)
▲ Packaging	40 kg Bag
▲ Shelf Life	6 months from date of manufacture

KEY ADVANTAGES

- **Mixing** : Mix BX Block with 25-30% water by weight in a clean bucket.
Use an electric mixer for 5-10 minutes for a homogeneous mix.
- **Reaction Time** : Allow the mix to rest for 5 minutes.
- **Remixing** : After standing, remix for 2-3 minutes. The product is now ready to apply.
- **Surface Preparation** : Ensure the block surface is clean and wet before application.
- **Application** : Spread mortar evenly on all block sides, maintaining a bond thickness of 2-3 mm.

STORAGE & SAFETY

- **Storage** : Keep in a dry place, protected from moisture. Do not leave bags open.
- **Safety** : Use gloves and goggles during application. In case of skin or eye contact, rinse with clean water. Seek medical attention if irritation persists.

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For further information and assistance,
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