



# Block Fix 70

## Block laying Adhesive

Pack Size  
40Kgs, 25Kg & 10Kgs

## TDS Technical Data Sheet



### Product Description

Block Fix 70 is a high-performance, polymer-based thin-set adhesive designed for laying AAC blocks, ALC blocks, and other lightweight masonry units. This adhesive provides enhanced bond strength, flexibility, and ease of use, making it suitable for both interior and exterior applications. The product eliminates the need for curing after block work is completed, ensuring a faster and more efficient construction process.

### Features and Benefits

- Improved bond strength for secure installations
- No curing required after block work is completed
- Flexible, shock and impact resistant
- Provides optimum compressive and splitting tensile strength
- Easy to use with long working time
- Fast and economical application
- Superior adhesion and consistent quality
- Advanced technology with longer pot life
- Reduces material wastage

### Suitable Substrates

- AAC Blocks
- Cement Mortar Blocks/Bricks
- Concrete Hollow Blocks
- Lightweight Masonry Blocks
- Cellular Concrete Blocks
- Fly Ash Bricks
- Calcium Silicate Bricks
- Clay Bricks

### Performance Properties

Block Fix 70 mixed with water meets the following standards:

### Applicable Standards

- ASTM C 1660
- ASTM C 270
- IS 2250

## ASTM C 1660 Data

Property	Test Method	Requirement	Typical Values
Splitting Tensile Strength	ASTM C1660	58-71 psi (0.40-0.49 MPa)	50-70 psi

## ASTM C 270 Data

Property	Test Method	Requirement	Typical Values
Compressive Strength	ASTM C109	Minimum 750 psi (5.2 MPa)	850-950 psi
Water Retention	ASTM C1506	Minimum 75%	85%-90%
Air Content	ASTM C91	Maximum 14%	10%-12%

## Packaging

20 kg & 50 kg bags

## Appearance

Free-flowing powder

## Colour

Grey

## Coverage Estimates

Coverage for wall area in square feet (Sft) using AAC Blocks (600mm X 200mm X 100mm):

### Mortar Bed Thickness Coverage for 50 Kg Bag Coverage for 20 Kg Bag

2mm	300sft	120sft
3mm	200sft	80sft
4mm	150sft	60sft

Coverage depends on the smoothness and evenness of the substrate, block size, and mortar thickness.

## Working Properties at 70°F (21°C)

- Adjustability Time: 20 minutes
- Pot Life: 2 hours
- Hard Dry: 24 hours
- Shelf Life: 12 months

## Application Instructions

### Surface Preparation

Ensure that all surfaces are structurally sound, clean, and free from dirt, oil, grease, and other contaminants. Rough or uneven concrete surfaces should be smoothed with Block Fix-70. Installation can be made on a damp surface, but the slabs must be plumb and true to within 1/4" (6mm) in 10 ft (3m).

### Mixing

Mix 50kg of Block Fix 70 thin bed mortar with approximately 13.75 to 15 liters of potable water. Slowly add the powder to the water while mixing with a slow-speed mixing machine or by hand. Mix for 3 to 5 minutes until a smooth, lump-free thixotropic mix is achieved.

### Application

Before applying mortar, ensure that the block work is dry and surfaces are cleaned properly. Apply the mixed mortar in thin layers of 2 to 3 mm using a trowel and place the next layer of blocks on the mortar. Maintain joints between the blocks as required and fill the joints with the mixed mortar using a trowel. Check the plumb of the wall during installation to keep the walls perfectly vertical.

### Cleaning

Clean tools and containers with water while the mortar is still fresh. Once hardened, mortar can only be removed mechanically.

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## Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

## Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

## Legal Disclaimer

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