

# TECHNICAL DATA SHEET

# POWERFIX

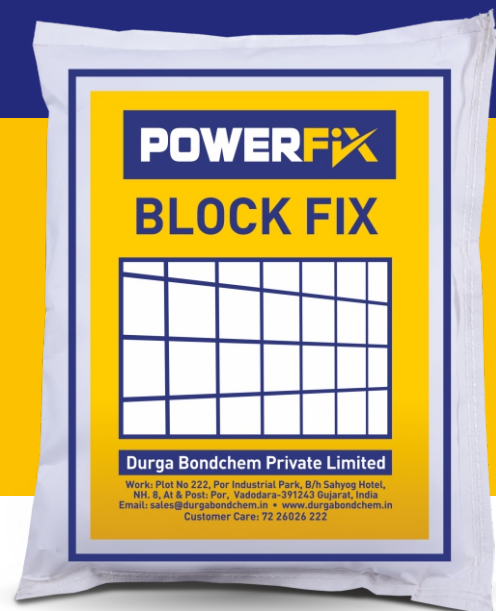
For those who needs strength...



## BLOCK FIX

a versatile thin jointing adhesive for thin bed application.

- Uniform and consistent quality
- High tensile adhesion for good bonding strength
- No shrinkage cracks at joints
- Ready for subsequent application
- Replacement for conventional cement and sand mortar
- Thin bed joints and less material consumption
- Save substantial cost compared to conventional mortar.
- Saves time- eliminates lengthy and cumbersome process of site mixing.



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Available in 40kg.

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## DESCRIPTION

POWERFIX BLOCKFIX is a versatile thin jointing adhesive for thin bed application for AAC Block. This mortar cum adhesive is specially designed to provide stronger, durable bonding between the blocks with optimum adhesive strength.



### PACKAGING

40kg

### COLOUR

XXXXXXXXXX

### NOTE

For more details please refer the relevant Material Safety Data Sheet, available on request.

## AREAS OF APPLICATION

- It is recommended masonry wall preparation by joining all type of AAC blocks & fly ash bricks.



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## TECHNICAL DATA

Bulk Density	1450-1550 KG/M3
Water Ratio	25 % BY WEIGHT OF POWDER
Pot Life	1 HR @ 27 ° C
Tensile Adhesion Strength @ 28 Days - EN 1348	0.8 N/mm <sup>2</sup>
Splitting Tensile Strength @ 28 Days - AST MC 1660-09	0.75 N/mm <sup>2</sup>
Compressive Strength @ 28 Days	6-7 N/mm <sup>2</sup>

## COVERAGE TABLE @ 3 MM BED THICKENS

BLOCK SIZE IN MM			WALL AREA COVERAGE
Length	Height	Thickness	(Sq. ft./ 40 kg bag)
600	200	75	210-230
600	200	100	160-180
600	200	125	140-160
600	200	150	120-140
600	200	175	90-110
600	200	200	70-90
600	200	230	60-80
600	200	230	60-80
600	200	300	50-70

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## SURFACE PREPARATION

- Prepare the surface before the application, removing oil, bond inhabiting agents, dirt, dust and laitance.
- The cleaning can be carried out with suitable methods by using wire brush, water jetting, mopping etc.
- Wet the blocks, bricks, concrete blocks before application to avoid abrupt absorption of water from material.

## MIXING

- Place clean, potable water into a clean mixing bowl, add POWERFIX BLOCKFIX into a mixing bowl.
- Use approximately 25-30 % water by weight of BLOCKFIX powder.
- Mix POWERFIX BLOCKFIX to the measured quantity of water using mechanical stirring for 2-3 minutes to ensure a consistency free of lumps.

## APPLICATION

- Apply Blockfix to the substrate with the specific size of Notch trowel with uniform thickness of 3 mm on AAC Block.
- Avoid using POWERFIX BLOCKFIX in watery consistency (slurry form) to avoid generation of air pockets between the AAC blocks and development of cracks.

## SHELF LIFE

12 months for sealed pack when stored under cover, out of direct sunlight, dampproof condition and protect from extremes of temperature.

## SAFETY PRECAUTION

POWERFIX BLOCKFIX is non-toxic. Wear suitable protective clothing, gloves and eyes/face protection. After contacting with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice. Limited to professional use only.

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