

JPL TERRASHIELD BOND

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A super polymerized adhesive for AAC block bonding and jointing, preventing early-stage cracks and seepage.



TECHNICAL ADVANTAGES

- Superior Adhesion
- Water-Repellent
- Crack-Resistant Bonding
- Extended Open Time
- Ready-to-Use Paste
- Exterior Grade

PACKAGE AVAILABLE

Available in Transparent and Pigmented Format

Shelf Life - 12 Months

Color - Clear/ Pigmented



20 KG Bag



30 Kg Bucket

APPLICATION PROCEDURE

- Apply a minimum thickness of 1 mm JPL Terrashield Bond on both sides of the brick and over the base using a comb blade.
- Paste the bricks one over the other and allow to dry.
- Wall can be erected continuously up to a height of 3 mtrs.

Procedure to follow for Application:

- Apply a 1 mm thick coat of JPL Terrashield Bond using a notched trowel or comb blade on both AAC block surfaces and the base
- Paste the blocks together using the standard bricklaying technique
- Continue laying blocks up to a height of 3 meters at a time
- Clean excess material and ensure vertical/horizontal alignment using an aluminum plumb.

NABL TEST RESULTS

Carried out as per ASTM Standards by SriRam and Eurofin Labs

Class 1 or A	Fire Retardant Surface rating
1.1 MPA	Compressive Strength
1.9 MPA	Tensile Strength
1.9 MPA	Flexural Strength
16.4% Absorption	after submerged for 24hrs.
1.0 MPA	Pull of Strength

COVERAGE

DESCRIPTION	COATS
AAC Block 600mm x 200mm x 100mm	80 sq. ft.
AAC Block 600mm x 200mm x 150mm	60 sq. ft.
AAC Block 600mm x 200mm x 200mm	40 sq. ft.

TECHNICAL DETAILS

Function	Adhesive for AAC block bonding
Type	Super Polymerized Bonding Paste
Application Thickness	1 mm (adhesive layer)
Primary Use	AAC block-to-block & AAC-to-RCC bonding
Surface Compatibility	AAC Blocks, RCC Columns/Slabs
Waterproofing Role	Water-repellent adhesive interface
Crack Resistance	Prevents cracks in joints
Paint Compatibility	Not paintable — must be covered with plaster/paint
45 GSM Nylon Mesh Usage	Not applicable
Ready-to-Use	Yes
Drying Time Before Painting	Delayed Drying time up to 2 hours
Coverage (per 20 kg)	32 – 64 sq. ft. (range given is for different surfaces, coats and dimensions, please refer to page no. 14 for the breakdown of the same)
Interior & Exterior Use	(as adhesive, not as a surface finish)
Viscosity with water 2:1	16 secs
Pot Life	3 hours
Volatility of Chemicals Detection Test for presence of 28 Carcinogenic Chemicals	Absent
Flame Spread and smoke developed Index (Test ASTM E84-2021 Standard test method for surface burning characteristics)	Not applicable
Chloride, CO₂, SO₂, NO₂, Methane Test	Not applicable