



## About VBOND

Value Pack India Private Ltd is an ISO-9001:2015 certified company & one of the leading manufacturers, suppliers & service providers of AAC Blocks, Tile adhesives, Tile Grouts, Epoxy Tile Grouts, Wall care, Textures, AAC Block jointing mortars, Paints & Primers in India since 2014.

We offer variety of products ranging from Tile adhesives, grouts, wall care, textures and AAC Block Mortars, Paints & Primers for your building and structural needs. The company promises maximum satisfaction to the customers for its every product in terms of Superior Quality & Service whether you are building a new structure or renovating an existing one.

## KEY FEATURES

Excellent thermal insulation, Economic Advantages, Light Weight Product, 100% Termite and Mold-Resistant State-of-the-art German Technology Pest Resistant, Fire Safety.

## Advantages

- Earthquake resistance High compressive strength
- High resistance to water penetration Pest resistance
- Superior fire resistance Prevent efflorescence
- Excellent thermal insulation Light weight
- Faster construction
- Sound insulation and absorption Environment friendly
- Perfect size and shape.

## Technical Details Sizes of VBOND AAC Blocks

Technical Details	
Dimensions (L x W)	600mm x 200mm
Thickness	75mm – 300mm
Compressive strength (N/mm <sup>2</sup> )	->3.5
Dry Density (Kg/m <sup>3</sup> )	550 – 600
Thermal Conductivity (W/m-k)	0.12
Sound Reduction (db)	35-45
Fire Resistance	1600 °C/6hrs for 200mm thickness
Precision In size (mm)	+/- 1.5
Shrinkage allowance	0.04%



600mm(L) X 200mm(W)	kg
50 mm (2")	4
75 mm (3")	6
100 mm (4")	8
150 mm (6")	12
200 mm (8")	16
230 mm (9")	20
250 mm (10")	22
300 mm (12")	24

## Comparison between VBOND AAC Block and Clay Brick

PARAMETER	BUILD ECO AAC BLOCK	CLAYBRICK
Size (mm)	600 x 200 x 100-300	230 x 115 x 75
Variation in Dimensions	+/-1.5 mm	5-15mm
Compressive Strength (N/mm <sup>2</sup> )	3.5 - 5 N/mm <sup>2</sup>	2.5 to 3.5 N/mm <sup>2</sup>
Dry Density (Kg/m <sup>3</sup> )	550 - 650	1950
Fire Resistance	2 to 6 hour (Depending on thickness)	2 Hours
Sound Reduction Index (db)	45db for 200mm thick wall	50db for 230mm thick wall
Thermal Conductivity W/m-k	0.16	0.81
Maintenance	Less	Comparatively higher
Energy saving	~25% reduction in air conditioner load	No savings
Construction speed	Very high due to bigger size, light weight	Comparatively lower
Quality	Uniform and Consistent	Normally varies
Quantity of Cement Required Per cubic meter of wall	0.5 bag of Cement	1.4 bags of Cement

## Calculation sheet

Length (mm)	Height (mm)	Width (mm)	No of pics (per m3)	Work in Sq ft.** (Per m3)
600	200	100	83.33	116.33
600	200	125	66.67	93.07
600	200	150	55.56	77.56
600	200	200	41.67	58.17
600	200	230	36.23	50.58

\*\* Assumption: 12 mm Mortar Thickness



### Applications & Areas

- Internal And External walls
- Cavity Walls
- Partition Walls
- Air Conditioned buildings
- Fire rated applications
- Insulated buildings

### Other Product Categories available with VBOND as below

- Premium Tile Adhesives
- Epoxy Grouts & Unsanded Grouts
- Micro Concrete and Repair Product
- Industrial/Precision Grout and Anchors
- Water Proofing Products
- VB-Ready Plaster
- Floor Screeds
- Block Jointing Mortar
- Epoxy Flooring
- Self-level Epoxy Flooring

### Technical Services

Technical assistance information is available by calling the VBOND Technical Service at +91 96664 96664 or mail us at sales@valuebond.in

### Address:

**VALUE PACK INDIA PRIVATE LIMITED**  
(AN ISO 9001-2015 CERTIFIED COMPANY)

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Hyderabad, Telangana-500090.

**Corp Office:** Plot No. 217/A,  
Near Metro Station, Calvary Temple Road, Miyapur,  
Hyderabad, Telangana-500049

**Factory:** Sy. No. 210 & 211, Near A.P. Met  
IDA Bollaram, Sangareddy, Telangana-502 325.

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Customer Care

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