Coverage of AAC Block adhesive when applied at 3mm thickness is approximately 2.5 Sft per Kg.

THIN BED MORTAR FOR LAYING BLOCKS:

Before placing mortar, ensure the block work to be dry and surfaces cleaned properly. Place the mixed mortar on the block work in thin layers of 2 to 3 mm (or as required by engineers at site) using trowel and place the next layer of blocks on the mortar. Keep joints between the blocks as required by the site engineers and fill the joints with the mixed mortar, using a trowel. Check the plumb of the wall while laying the blocks to keep the walls perfectly vertical to the plumb.

LIMITATIONS

- Adhesives & mortars are not replacements for waterproof membranes.

TECHNICAL DATA

Applicable Standard

Confirms to ASTM C 1600

Performance Properties

AAC BLOCK ADHESIVE mixed with water in ratio 3:1

Test	Results
Compressive strength	9.5 MPa
Flexural Strength	3 MPa
Tensile Adhesion strength	1.2 MPa

Working Properties

AAC BLOCK ADHESIVE mixed with water (70˚F (21˚C))

Pot Life	1 Hour
Open Time	30 Minutes




COMPARISON BETWEEN AAC BLOCKS, CLAY BRICKS & ASH BRICKS

Particulars	Krrish AAC Block	Clay Bricks / Ash Bricks
Size (LxHxB)	625mm X 200mm X 100mm-300mm	225mm X 75mm X 110mm
Precision in size, Shape	Uniform & Regular Variation ± 2mm	Non Uniform & Regular Variation ± 10mm
Compressive Strength	4.0 - Minimum N/mm²	7 - 10 N/mm2
Dry Density	550-650 kg/m3 (Oven dry)	1800 Kg/m3
Fire Resistance	4 hours (For 200mm thick Wall)	2 Hours
Sound Absorption	42 (dB) for 200 mm thick wall	50 for 230mm thick Wall
Thermal Conductivity (Kw-M/C)	0.24 Kw - M/C Maximum	0.81 Kw - M/C
Cement Consumption for Morter 1:6	Use Jointing Chemical	1.35 bag of Cement
Contribution to carpet area	1.5 to 3 %	Not Contribution
Electricity Bill Saving	Up to 30% of Air conditioning Electricity Bill Saving	No Energy Saving
Cost benefit Factor	Saving Sand, Steel, Cement, Labour, Time, Water for Curing	No Cost Benefit
Internal Plaster	Not necessary	Surface & Size not even 15-20mm Plaster & then POP is apply
External Plaster	10 to 12 mm Plaster because of surface & size is even	20 - 25mm Plaster Required
Breakage / Wastage	3%	8 To 10%
No's of blocks per Cubic meter	64 Nos (625X200X125)mm	538 Nos (225X75X110mm)
Curing for Wall	No need (If Jointing Chemical is Used)	At least 15 day's Curing Required

KRRISH White Bricks
MODERN BUILDING SECURE FUTURE

CONTACT US

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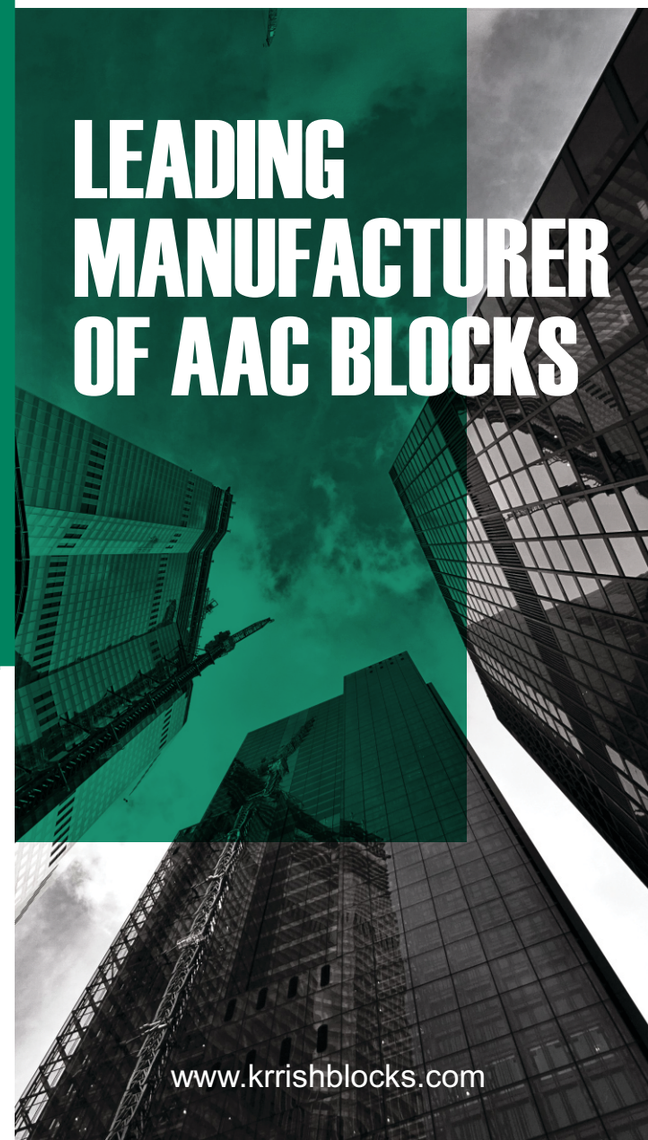
KRRISH White Bricks
MODERN BUILDING SECURE FUTURE



LEADING MANUFACTURER OF AAC BLOCKS

www.krrishblocks.com

about
OUR COMPANY.

Krrish White Bricks is manufacturer of AAC Blocks, a technology that has turned over the construction Industry. A pioneer in green Building materials, we were found with the vision of introducing new construction technologies to Bihar.

What are AAC Blocks ?

AAC or Autoclaved aerated concrete (AAC) is a lightweight building material suitable for producing concrete masonry unit (CMU) like blocks. Composed of Fly Ash, Cement, Lime, Calcined Gypsum, Aluminium Powder and Water . AAC products are cured under heat and pressure in an autoclave. Invented in the mid-1920s, AAC simultaneously provides structure, insulation, and fire and earthquake resistant. Forms include blocks, wall panels, floor and roof panels, cladding (facade) panels and lintels.

AAC products may be used for both interior and exterior construction, and may be painted or coated with plaster compound to guard against the elements, or covered with siding materials such as veneer brick or vinyl siding. In addition to their quick and easy installation, ACC materials can be routed, sanded, or cut to size on site using standard power tools with carbon steel cutters.

Other names for the product include autoclaved cellular concrete (ACC), autoclaved lightweight concrete (ALC), autoclaved concrete, cellular concrete, porous concrete, Aircrete, Hebel Block,Starken etc.



AAC BLOCKS BENEFITS

I'M ECO-FRIENDLY
No harmful gases are released during my production. I am made of fly ash. I require least amount of energy for production. I also do not use soil for my production.

I'M LIGHTWEIGHT
I weigh around 550-650 kg/m3. Compared to normal clay bricks, that is 3 times lighter! Lesser weight means lesser load on building, which means lesser reinforcement required, which means you save A LOT of money on the whole construction.

I'M AN INSULATOR
I can protect you from the harsh weather outside. I can save your money while you switch on the AC. Weather outside will not effect your indoor Temaprture.

I'M A SOUND BARRIER
I can drastically reduce outdoor noise entering your home. In the same way, I can help homely discussions stay at home.
मेरी दीवारो के कान नही होते

I'M VERY RESISTANT
I'm resistant to fire, moisture, pest, mold, seepage and most of all, earthquakes. Research engineers have proven that using me in your building will reduce life risks during a massive earthquake event by 4 times. And when it comes to fires, I can stand it for more than 6 hours.

I'M FASTER DURING INSTALLATION
My large size means laborers can work faster and build those walls in lesser time. Plus, unlike bricks, I can be sawed, drilled and worked on like wood. I use less mortar to be installed because my sizes are always same and i have lesser joints. And did I not mention that you will also save money in plaster.

Raw Material Composition in AAC

1. Fly Ash 2. Cement 3. Lime 4. Gypsum
5. Aluminium powder

** Other Chemicals*

APPLICATIONS OF AAC BLOCKS

EDUCATIONAL INSTITUTE
MOTELS & RESTAURANT
RESIDENTIAL
OFFICE BUILDING
AUDITORIUM & THEATERS
INDUSTRIAL
HOTELS
HOSPITALS
BOUNDARY WALL

Different Sizes of AAC Blocks

Length (mm)	Height (mm)	Breadth (mm)	No. of Blocks in 1 Cubic meter	Area in Sqft per Cubic meter
625	240	100	66.66	108
625	240	125	53.33	86
625	240	150	44.44	72
625	240	200	33.33	54
625	240	250	26.66	43
625	200	100	80	112
625	200	125	64	91
625	200	150	53.3	83
625	200	200	40	69
625	200	250	32	43

** 1 cm = 25.4 mm*

AAC BLOCKS ADHESIVE

PRODUCT DESCRIPTION
AAC Block Adhesive is a factory prepared blend of carefully selected raw materials, Portland cement and graded aggregates and polymers. Designed for use with water to produce high strength thyrotrophic mortar, for laying Aerated Light weight concrete, Fly ash bricks, cement hollow blocks, Cellular concrete blocks or smoothing over the block work surface in layers of up to 12mm thickness, that meet and exceed the requirements of National and International Standards.

*

Packaging – 40 kg bag
Coverage

ADVANTAGES
- High Strength.
- No curing required after block work is done.
- Flexible, shock & impact resistant.
- Improved adhesion between two blocks.
- improved bond strength, compressive & tensile strength.
- Thin jointing with high adhesion to contribute to load bearing capacity of masonry.
- easy to use.
- Long working time.
- Fast & economical.

APPLICATION
For interior and exterior use for preparing thin bed adhesive for AAC, ALC and cellular concrete blocks.

SUITABLE SUBSTRATES
- Aerated Light weight blocks (AAC Blocks
- Concrete Blocks
- Cement Mortar Blocks/Bricks
- Concrete hollow blocks
- Cellular concrete blocks
- Fly Ash Bricks

NOTE: *Coverage depends on the substrate evenness and the thickness at which the AAC Block adhesive is applied*