



STAR
SMART
BUILDING SOLUTIONS

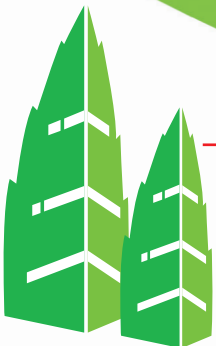
**BUILD THE WAY
THE SMARTER
WORLD DOES**

STAR AAC



STAR AAC

STAR AAC



**BUILD
SMARTER
BUILD
BETTER**

Star Cement, for over two decades, has been synonymous with trust, delivering unmatched reliability through a range of quality products. This legacy has made us the **No.1** brand in the North-East and a leading choice in West Bengal and Bihar.

Driven by its spirit of innovation, Star Cement ventures into construction-related products under its division **Star Smart Building Solutions** – modern products for future-ready construction, offering unmatched quality and performance.

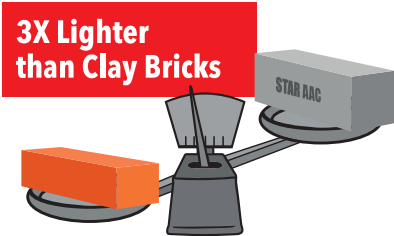
STAR AAC is a modern alternative to clay bricks. These blocks are lightweight yet strong and durable, making them the preferred choice for wall construction.

Why STAR AAC?

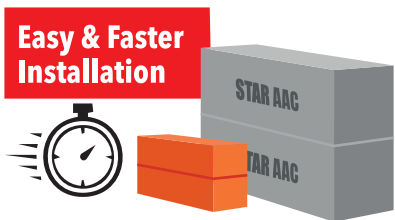


High Strength

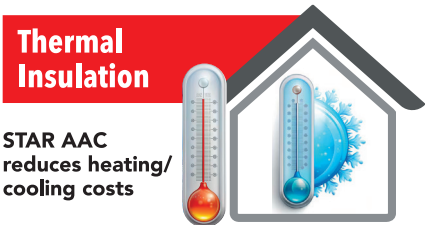
STAR Premium AAC: ≥ 5.0 MPa
STAR G1 AAC: ≥ 4.0 MPa



3X Lighter than Clay Bricks



Easy & Faster Installation

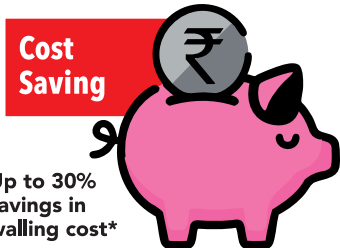


Thermal Insulation

STAR AAC reduces heating/cooling costs



Acoustic Insulation



Cost Saving

Up to 30% savings in walling cost*

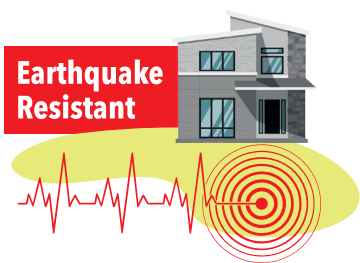


3" More Carpet Area

Space Saving



Fire Resistant



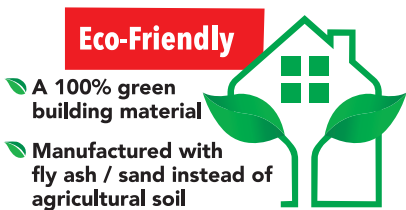
Earthquake Resistant



Termite Resistant



Damp Free



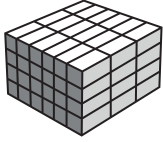
Eco-Friendly

- A 100% green building material
- Manufactured with fly ash / sand instead of agricultural soil

*Conditions apply

Preparation & Application Guidelines

1 Stacking



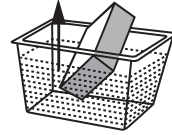
Stack on dry & even surface
Max height 1.2 m

2 Mortar for Masonry



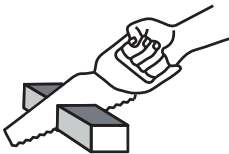
Prepare STAR Thin Bed Block Jointing Mortar as per guidelines

3 Surface Wetting of STAR AAC



Before application dip in water & lift immediately

4 Cutting of STAR AAC



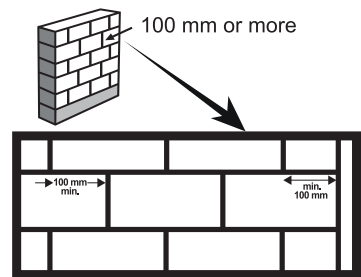
Use tools like hacksaw or rotary cutter for easy cutting of block wherever necessary

5 Spread Mortar

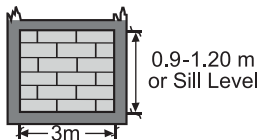


Pre-mix Thin Bed: 3-5 mm

6 Bond Pattern

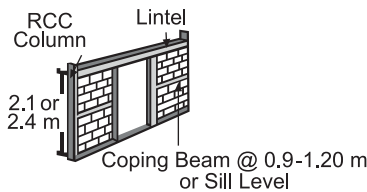


7 Coping Beam



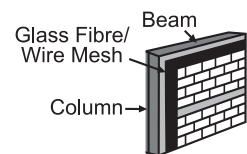
Provide coping beam with 2 nos 8 mm reinforcement after 0.9-1.2 mts. height

8 Lintel Support



Provide Lintel support on full block

9 Beam & Column Junctions



Wire mesh should cover 6" at RCC junction on both surfaces

Technical Specifications

(As per IS 2185-Part 3-1984)

Compressive Strength

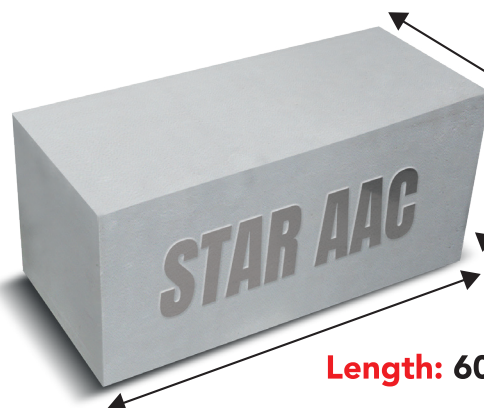
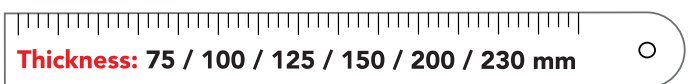
STAR Premium AAC: ≥ 5.0 MPa

STAR G1 AAC: ≥ 4.0 MPa

Dry Oven Density: 551-650 Kg/m³

Dry Shrinkage: 0.05% max

Thermal Conductivity: < 0.24 W/m-K



Height: 200 mm

Length: 600 mm

Sl. No.	Dimension of STAR AAC (LXHXT)	No. of STAR AAC (Pcs)/CBM	Coverage Area/CBM (in Sq.ft.)	Approx. weight of one STAR AAC (in Kgs)	Volume required / 1000 Sq.ft. wall area (in CBM)
1	600x200x75	111	143	6 to 7	7.0
2	600x200x100	83	108	9 to 10	9.3
3	600x200x125	66	85	11 to 12	11.7
4	600x200x150	55	71	14 to 15	14.1
5	600x200x200	41	53	19 to 20	18.9
6	600x200x230	36	46	21 to 22	21.5

STAR SMART BUILDING SOLUTIONS Product Portfolio

- ✓ **STAR AAC**
Alternative to Clay Bricks
- ✓ **STAR Block Jointing Mortar**
Adhesive for Joining the AAC Blocks
- ✓ **STAR TiloSetter** Tile Adhesive
Premium - For Medium Floor & Wall Tiles
Elite - For Stone & Large Floor & Wall Tiles
Ultima - For Heavy Marbles & Glass Mosaic Tiles
- ✓ **STAR TiloKlean** Tiles Cleaning Solution
- ✓ **STAR GroutSolidSeal Cement Based**
To Fill Up Gaps for Domestic Tiles
- ✓ **STAR GroutSolidSeal Epoxy Based**
To Fill Up Gaps for Industrial & Commercial Tiles
- ✓ **STAR RMX Ready Mix Plaster**
For both Interior & Exterior
Plastering of Walls
- ✓ **STAR WaterPruf**
Integral Waterproofing Compound
W1 - Concrete Mix
- ✓ **STAR WaterPruf SBR Latex**
W2 - Concrete Protector
W3 - For Hairline Cracks
W4 - For Hairline Cracks (Premium)
W5 - Cracks up to 1mm
W6 - Cracks up to 2mm
- ✓ **STAR UltimaSmooth Wall Putty**
For Creating a Smooth & Even Wall Surface
- ✓ **STAR Dhalai Master CoverBlock**
For Ensuring Reinforcing Bars or Rebars are put into the Concrete at the Proper Depth

Our Range of Cement Products

