



AAC BLOCKS

MAGNA AAC BLOCKS

safe &
eco-friendly

AAC BLOCKS



Magna AAC blocks is a lightweight, high-insulating, durable building product, which is produced in a wide range of sizes. Magna AAC Blocks offers incredible opportunities to increase building quality and at the same time reduces costs at the AAC Blocks construction site.

- 25%** reduction in foundation load
- 15%** reduction in steel usage
- 10%** reduction in cement usage
- 10%** reduction in the cost of plastering

ADVANTAGES



High Compressive



Cost Effective



Light Weight



Fire Resistant



Faster Construction



Earthquake Resistance



Pest Resistance



Uniform Size

A LIGHTWEIGHT, HIGH-INSULATING, DURABLE BUILDING PRODUCT



SPECIFICATIONS

Particulars	Unit	Values	Requirement as per IS-2185 Part-3
Size (Length x Height)	mm	650x250 / 650x200 / 600x200	NA
Size (Width)	mm	75/100/125/150/200/225/250/300	NA
Size Tolerance (Max)	mm	±3 (Length), ±3 (Height & width)	L= ±5 mm, H& W= ±3mm
Compressive Strength	N/mm ²	≥ 4.0 for Grade-1	≥ 4.0 for Grade-1 @ density range 551-650 Kg/m ³
Oven Dry Density	Kg/m ³	560 - 640	551-650
Fire Resistance	Hrs	4 (for 200 mm thick wall)	Min 2 hrs. is desirable
Thermal Conductivity (K Value)	W/mK	0.16 - 0.21	0.24 Max for Grade -1 @ density range 551-650 Kg/m ³
Sound Reduction	Db	37 - 42	NA
Thermal Resistance (R-Value)	m ² K/W	0.95 (200 mm width) @0.21 W/mK	Max Value is desirable
Thermal Conductance (U Value)	W/m ² K	1.05 (200 mm width) @0.21 W/mK	Minimum Value is desirable
Drying Shrinkage (Maximum)	%	0.04 Maximum	0.05 for Gr-1 Maximum
Sound Transmission Class Rating	Db	44	NA

AAC JOINT MORTAR



High-quality AAC Blocks Jointing Mortar, reducing bonding material usage by up to 70% for cost-effective construction. Made with weather and water-resistant materials, it enhances durability and provides excellent adhesion between AAC blocks.

SPECIFICATIONS	
PARAMETERS	SPECIFICATIONS
Coverage	65-70 sq.ft (Considering joint thickness of 2-3 mm)
Compressive Strength in 7 Days	> 5 N/mm sq
Curing	Not required
Pot life	Approx 30 minutes
Water required	25 - 30%
Appearance	Free flowing and grey in colour



High Compressive



Cost Effective



Light Weight



Fire Resistant

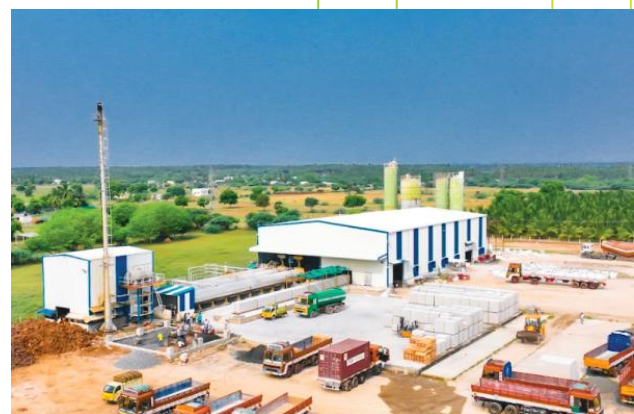


Faster Construction

ABOUT US

Magna AAC Blocks

We offer a wide range of the industry's leading building materials for all your construction needs. We at Magna are strongly committed to assuring the best-grade AAC Blocks and AAC Joint Mortars with superior strength and exceptional long-term protection. Our AAC bricks are used for astounding opportunities to increase building quality with less time at an affordable cost and ensure the products reach our clients on time with pristine conditions.



100

















Dealers across
Tamil Nadu & Kerala



2,00,000 sq. ft.

Facility Area

CLIENTLE

MAGNA GREEN BUILDING PRODUCTS



Corporate Office
53, NRN Complex,
Indian Bank upstairs,
80 feet Road,
Sengunthapuram,
Karur (D.T) - 639 002,
Tamilnadu.

Factory Address
S.F.No. 645/2B,
Mettankinam Village,
Renganathapuram
(South), Krishnarayapuram
Taluk, Karur (D.T) - 639 108,
Tamilnadu.

Coimbatore Office
Marutham Apartment,
GRG Nagar, VIP Road, SITRA,
Civil Aerodrome Post,
Coimbatore - 641 014,
Tamilnadu.

Reach us

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