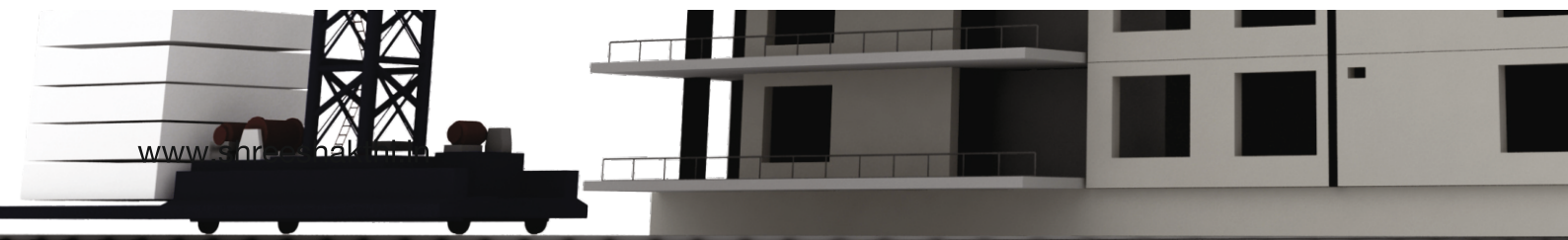


ShreeShakthi

AAC BLOCKS



ShreeShakthi AAC (Autoclaved Aerated Concrete) Blocks are Light Weight, High Strength, Termite-proof, Eco-friendly, Cost-effective and have Dimensional Stability





Weather & Earthquake Resistant

The impact of earthquake forces on a structure is proportional to the weight of the structure. Being Light Weight AAC Blocks provides excellent resistance to earthquake forces.



Long Lasting

AAC Blocks are strong to water damage as compared to other construction materials. They can even withstand in any climatic conditions, this in turn gives you increased value for your investment.



Environment Friendly

Energy Consumed in the production process of AAC is only a fraction compared to the production of other Building material. The manufacturing process emits no pollutants and creates no by-products or toxic waste products. AAC is manufactured from natural raw material. The finished product is thrice the volume of the raw material used, making it extremely resource – efficient and environment friendly.

Workability



Extremely Light: AAC is up to 3-4 times lighter than traditional concrete, representing great advantages in transportation and material handling.



Cost Saving: Being 8 times the size of clay brick, AAC Wall Construction involves 1/3rd the joints thus an overall mortar saving up to 66% & this will bring about significant savings in steel up to 25% and concrete up to 10%.



Fast Construction: AAC Blocks requires lesser number of joints, which result in saving jointing material, time and labor.



Work Efficiency: The automatic manufacturing process gives AAC Blocks an exceptional dimensional accuracy and smooth surface, allowing less thickness of plaster. AAC Products can be easily cut, Drilled and grooved with manual or power tools. This provides higher productivity in sanitary and electrical installations such as pipes or ducts.



Versatile: AAC Blocks ensures a smooth and accurate masonry profile and is also useful for renovation and alteration purposes.



Energy Efficient

AAC is 100 % Green Building Material & is a walling material of a choice in LEED® certified buildings (ITC Centre, The highest rated green building has been built using AAC). AAC is Energy & resource efficient in the sense that it uses least amount of energy & material per m³ of product. Unlike brick manufacturing process which uses precious top layer agricultural soil, AAC uses Fly ash (65% of its weight) thus provides the most constructive solution to the nation's fly-ash utilization problem.



Excellent Thermal Insulation

AAC provides well insulated interiors, keeping out warm air in summers and cold air in winters. AAC reduces air conditioning Costs by 30%. AAC provides highest thermal rating in the industry.



Superior Fire Resistance

Depending upon thickness, AAC offers fire resistance for about 2 to 6 hours. The melting point of AAC is over 1600°C, more than twice the typical temperature in a building fire of 650°C.



Water & Moisture Resistance

The structure does not allow for capillary action making it impervious to water. Its water resistance properties are further enhanced by adding silicon based additives. AAC possesses excellent structural integrity, resisting moisture penetration, whether caused by wind-driven rain or standing water. Additional moisture resistance is achieved with a final surface treatment such as plaster and paint, or cladding such as bricks and/or other exterior materials.



Pest Resistant

Termites hate AAC! Being made of a inorganic minerals it does not promote growth of molds.



Non Toxic

AAC Block does not have any toxic substances or emit odors. Its production, management and disposal do not represent any health risks or damage to the environment. Its production process develops non-toxic gases.

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PRODUCT INFORMATION TILE ADHESIVE

FORM	Dry Powder
STANDARD COLOUR	Grey
PACKAGING	20 Kg Bags
TIME TO TRAFFIC	Grout after 12 hours; light foot traffic after 24 hours; Full traffic after 48 hours (depending on site conditions)
COVERAGE	45 - 55 Sq.ft./ 20 kg bag @ 3-4mm thickness



PRODUCT INFORMATION JOINTING MORTAR

FORM	Dry powder
STANDARD COLOUR	Grey
PACKAGING	40Kg Bags
COVERAGE	130 - 150 sq.ft/ 40 kg bag @ 3-4mm bed thickness



PRODUCT INFORMATION READY MIX PLASTER

FORM	Dry powder
STANDARD COLOUR	Grey
PACKAGING	40 Kg Bags
COVERAGE	20 sq feet @ 10 - 12 mm thickness



New Insights

ShreeShakthi AAC blocks are high in quality and low in price. These blocks are resistant to water absorption and increases in strength with time & greatly reduces cost of plastering.

Due to the cellular structure of the material the blocks can be easily cut with carpenter's saw & nails can be driven into them with equal ease.

Weight reduction becomes highly beneficial for structural reasons, saving steel reinforcement in the foundation, resulting in substantial savings of the material in steel and also under adverse soil conditions.



Technical Specifications

Density (over dry)	550-650kg/Cum
Compressive Strength	3.5 - 5.5 N/mm ²
Thermal Conductivity	0.142 w/m K
Resistant to Fire	4-6 hrs. depending upon Thickness
Sound Reduction Index	37-49 dB depending upon Thickness

Available Sizes

Dimensions* (mm)	
Length (L)	600
Height (H)	200, 240, 300
Width (T)	50, 75, 100, 125, 150, 200, 225, 300

(*Size are available as per requirement and possibility of supply)

Reduce construction cost
by using **Shree Shakthi AAC Blocks**



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AAC BLOCKS

www.shreeshakthi.in

Tirumala Aerated Blocks Pvt. Ltd.

Office: 11-2-1069, Bazarghat X Roads
Hyderabad - 500 004.

Factory: Sy No.550, Ellakatta Village
Farook Nagar Mandal, Mahaboobnagar Dist.

info@shreeshakthi.in

amit@shreeshakthi.in

Contact Amit Gupta - **040-23326887**

9666888443

9705351000