

About Us

We are leading manufacturer of construction materials like AAC blocks in Southern Maharashtra. Our Managing Director Mr. Sapan D. Patil has 32 years of experience in construction sector. Under his guidance to fulfill the demands of real estate and construction sector, we have entered this sector with advanced technology and a team of dedicated professionals.

After a proper research and development we have come up with the product "BUILD LIGHT" AAC blocks.

We are honest in quality and believe in giving the best to society.



Product

AAC (Autoclaved Aerated Concrete) was invented in the mid - 1920s by the Swedish architect and inventor Johan Eriksson. It is a lightweight, precast building material that simultaneously provides structures insulation, fire and mold resistance. "BUILD LIGHT" is a unique and excellent type of building materials due to its superb heat, fire and sound resistance. "BUILD LIGHT" is lightweight and offers ultimate workability, flexibility and durability. The finished product is a 2.5 times lighter Block, compared to conventional Bricks, while providing the similar strength.



SAVE YOUR TIME,
CONSTRUCTION COST,
ENERGY & ENVIRONMENT.....



An ISO 9001 : 2008 Certified Company

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Advantages of Build Light



1. Cost Savings : Being light weight AAC drastically reduces the weight of the building. Resulting into reduction in steel (up to 27%), involves 1/3rd of the joints, thus an overall mortar saving up to 66%. Its automatic manufacturing process gives AAC an exceptional dimensional accuracy & smooth surfaces, eliminating need of three-coat walls and allows for a final 6mm skin coat (Putty/ pop).



2. Lightweight : AAC blocks are approx one - fifth of the weight of concrete and are produced in easily handled sizes.



3. Eco friendly environment protection : Consumes Fly ash, which is a big problem for thermal power plants to dispose. It is environment friendly, because of no need of burning.



4. Energy saving : The remarkably good insulation properties of AAC ensures a pleasant interior environment. In most cases the need for supplementary insulation can be avoided.



5. Excellent acoustic performance : Autoclaved Aerated Concrete has excellent acoustic performance and can be used as an effective sound barrier.



6. Fire resistant : AAC is totally inorganic and incombustible. The product is suited for fire - rated applications.



7. Ventilation : AAC is very airy thus allowing more diffusion of water, reducing humidity of the building. AAC Wall self-adjusts the humidity by absorbing moisture and releasing humidity automatically; helps prevent condensation and problems related to mildew.



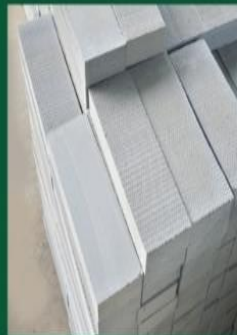
8. Non toxic : AAC products does not contain any toxic gas substances. The product does not harbor or encourage vermin.



9. Accuracy : The accurate manufacturing process ensures that AAC panels and blocks are always produced to size as they leave the factory. This results in less on-site trimming and reduced quantities of mortar and finishing materials use.



10. Long life : AAC products are not affected by harsh climatic conditions and will not degrade under normal atmospheric conditions.



Technical Comparison

Particulars	Conventional red bricks	AAC bricks
Strength	25 - 30 kg/cm ²	35 - 45 kg/cm ²
Shapes & size	non uniform & irregular	regular & uniform
Water absorption	40 - 45%	15 - 20%
Breakage/Wastage	8 - 10%	nill - 0.5%
Mortar consumption	high	less
Density	1500 - 1700 kg/m ³	upto 700 kg/m ³
No of bricks / cubic m	565 nos [9 x 4 x 3 inch]	67 nos [25 x 9.6 x 4 inch]
Mortar joint thickness	15 - 18 mm	3 - 5 mm
Plaster thickness	15 - 20 mm	8 - 10 mm

Technical Specification

Property	Units	Sizes
Size	mm	600 X 200 / 240 X Thickness
Thickness	mm	50,75,100,125,150,200,225
Compressive Strength	N / mm ²	> 3 - 4.5 (2185)
Normal Dry Density	Kg / m ³	700
Drying Shrinkage	%	0.04 % (Size Of Block)

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Standard Sizes of Build Light AAC Blocks

Brick Size (mm)	No. of Bricks/m ³
600X200X100	83
600X200X150	56
600X240X100	69
600X240X150	46

