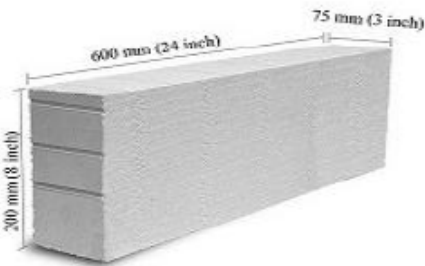
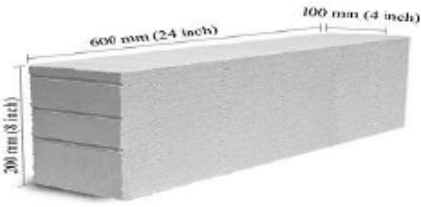
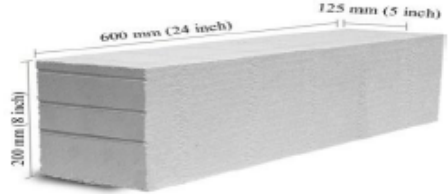
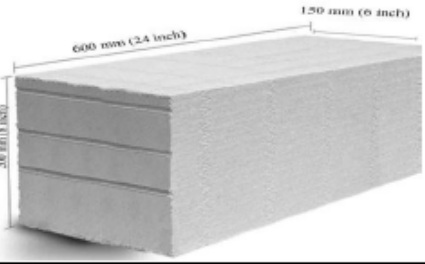
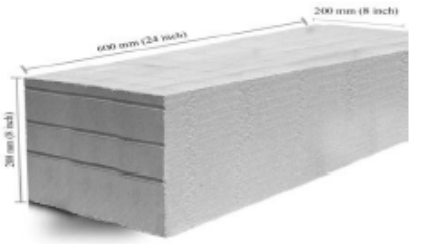
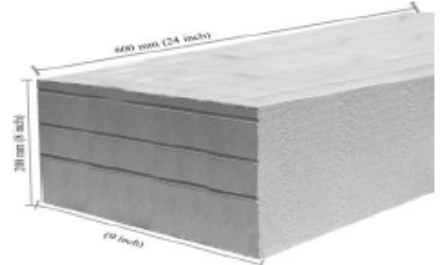




Arcolite AAC Blocks

Arcolite is one of the leading manufacturer and supplier of Autoclaved Aerated Concrete [AAC] Blocks: an amazingly Innovative and Green Building Material. What make it superior are its incredible lightweight and insulation properties. About 1/3rd the density of clay brick, can be laid much quicker, saving time and building costs. Being more resilient to damage helps reduce wastage during transportation. These blocks offer effective & practical solutions for the current building regulations and are manufactured using the latest technologies in Karnataka. Construction using Arcolite AAC Blocks boosts up the project by ensuring at least 6-7 LEED Green Building Certification Points.

ARCOLITE AAC BLOCK SIZE (600 X 200 X 75 - 230 mm)		
3 " Arcolite AAC Block (L x H x B) 	4 " Arcolite AAC Block (L x H x B) 	5 " Arcolite AAC Block (L x H x B) 
600 × 200 × 75 mm	600 × 200 × 100 mm	600 × 200 × 125 mm
6 " Arcolite AAC Block (L x H x B) 	8 " Arcolite AAC Block (L x H x B) 	9 " Arcolite AAC Block (L x H x B) 
600 × 200 × 150 mm	600 × 200 × 200 mm	600 × 200 × 230 mm

Key Features

✚ Superior Acoustic Insulation	✚ Reduced Structural Cost & 100% Termite & Mold-Resistant
✚ Energy Savings up to 15%-20%	✚ State-of-the-art German Technology

Arcolite AAC Benefits

✚ Resource Efficiency	✚ Indoor Air Quality	✚ Energy Efficiency
✚ Material Efficiency	✚ Water Conservation	✚ Affordable

Technical Specifications

Property	Unit	Value					
Face Size##	mm	600 x 200					
Thickness*	mm	75	100	125	150	200	230
Dry Weight	Kg	5-6	7-8	8-9	10-12	14-16	16-18
Compressive Strength	N/mm2	4 - 5					
Normal Dry Density	Kg/m3	551 - 650					
Thermal Conductivity	W/m-k	0.15					
Sound Reduction	db	37-42					
Fire Resistance-load Bearing (200mm Thickness)	Hrs	4					
Non Load Bearing (100mm thickness)	Hrs	4					

A Comparative Analysis

S.No	CRITERIA	UNIT	ARCOLITE AAC BLOCKS	CLAY BRICKS	CONCRETE BLOCKS
1	Face Size	mm	600 mm x 200 mm	230 x 75	400 x 200
2	Thickness	mm	75- 230	115	100, 150, 200
3	Faster Construction		Yes	Slow	
4	Workability		Workability	Moderate	Difficult
5	Quality		Highly Consistent – Inconsistent – Manually Made Factory Made	Inconsistent- Manually Made	
6	Insulation Properties		Superior	Moderate	Average
7	Fire Rating		Superior	Normal	
8	Services		Easy	Electric/Plumbing Difficult	Chasing
9	Environment Friendly		Green Material	No	

Why use Arcolite AAC Blocks?

1. Energy saving and eco-friendly; helps reduce carbon foot print.
 - Manufactured from recycled material with zero wastage
 - Quicken up construction by up to 30%
2. Dimensionally accurate & easy workability.
 - Factory finished with superb surface finish; easily accepts renders & plasters
 - Use of standard tools to cut, saw, chisel, drill & shape
3. Unmatched Properties.
 - Super Lightweight; 1/3rd the density of clay bricks
 - Non-combustible with superior fire resistance
 - Exceptional Thermal & Acoustic Insulation
 - No cavity construction; eliminates termites, rodents, pests & fungal growth
4. Guaranteed Savings.
 - Reduces foundation load of the building up to 30%
 - Reduces Power Consumption by 27%
 - Steel & Cement Savings by 18% & 12% respectively



The Arcolite AAC Blocks Advantages:-

1. We provide technical support for lightweight walling-based structural design.
2. Advise on the handling, storage and efficient use of these products so as to minimise wastage, and thereby costs.
3. Advise on the construction of walls.
4. Recommended/Correct Practices.
5. Training of Supervisors and Masons.
6. Site audit & feedback process on walling work.