Asian Hotel, Chennai

Park Hyatt, Hyderabad

CII-IGBC Green Building, Hyderabad

PARAMETER	AUTOCLAVED AERATED CONCRETE	CELLULAR LIGHT- WEIGHT CONCRETE
Density (kg/cu m)	✓ 551-600	x 800-1000
Compressive Strength (N/mm2)	✓ Minimum of 3	x 1.5-2.5
Dimensional Characteristics	✓ Dimensionally Accurate	x Dimensional variations
Curing	✓ Autoclaving (Steam)	x Normal
Pore size and distribution	✓ Small and Distributed	x Large
Drying Shrinkage	✓ Within IS limits	x No Consistency

S. No	CRITERIA	UNIT	AEROCON BLOCKS	CLAY BRICKS	CONCRETE BLOCKS
1.	Face Size	mm	600 x 200	230 x 75	400 x 200
2.	Thickness	mm	75- 230m	115	100, 150, 200
3.	Faster Construction		Yes	Slow	
4.	Workability		Easy	Moderate	Difficult
5.	Quality		Highly consistent Factory Made	Inconsistent manually made	
6.	Insulation properties		Superior	Moderate	Average
7.	Fire Rating		Superior	Normal	
8.	Services		Easy	Electric/ Plumbing chasing difficult	
9.	Environment friendly		Green Material	No	

The Aerocon Advantage*

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 minimize wastage and thereby costs
3. Advise on the construction of walls:
   • Recommended/ correct practices • Training of supervisors and masons • Site audit & feedback process on walling work

HIL Limited (formerly Hyderabad Industries Limited)
Sanathnagar, Hyderabad 500 018 ✆ 1800 425 425 99 www.hil.in

CK BIRLA GROUP

AEROCON BLOCKS & PANELS

Superior Technology: The Smarter Choice.

Key Features :

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

The right choice. The smart choice!

SELECTED Superbrand INDIA 2013/14 Consumer & Industry Validated

RELIABLE

AAC BLOCKS

Applications & Areas

Internal & External Walls

Cavity Walls

Partition Walls

Best suited for Air conditioned buildings
Fire rated applications & Insulated buildings

Discover the new age construction material - Aerocon AAC Blocks:

Aerocon AAC Blocks offers everything you're looking for:

- Manufactured using Fly Ash, Cement, Lime & Aeration agent
- Product conforms to IS 2185 Part-3
- Excellent substitute for Clay Bricks and Hollow/ Solid concrete blocks
- Green Building Product

Aerocon has a longtime association with the Indian Green Building Council (IGBC) and consistently work together for the cause of sustainable construction.

Towards a green future with Aerocon AAC Blocks:

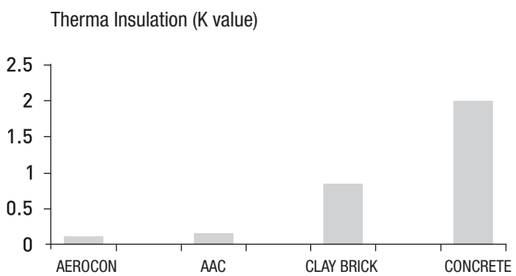
- Aerocon is India's leading manufacturer of autoclaved aerated concrete blocks: an amazingly innovative and green building material
- What make it superior is its incredible lightweight and insulation properties. About 1/3rd the density of clay brick, these can be laid much quicker, saving time and 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 at India's most advanced AAC facilities located in Chennai & Surat
- Construction using Aerocon AAC Blocks boosts up the project by ensuring at least 6-7 LEED green building certification points

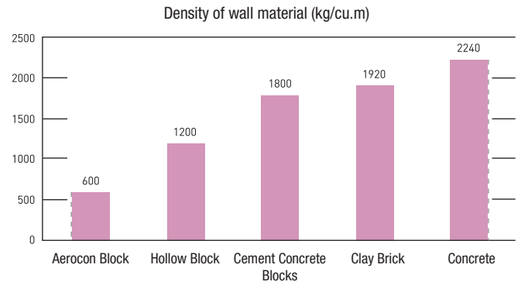
Why use Aerocon AAC Blocks?

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

TECHNICAL DATA								
Property	Unit	Value						
Face Size	Mm	600x200						
Thickness*	Mm	75	100	125	150	200	230	
Dry Weight	Kg	5.25	7	8.75	10.5	14	16.10	
Compressive Strenght**min	N/mn^2	3						
Normal Dry Sentity**	Kg/m^3	551-600						
Thermal Conductivity	W/m-k	0.12						
Sound Reduction***	Db	37-42						
Fire Resistance-load Bearing	Hrs	---4						
Non Load Bearing	Hrs	4 4 # 4						

*Other Thickness can be given on request **Conforming to IS 2185 (Part 3), 1995 Grade 2 ***Depends upon thickness # based on interpolation - not tested





*This Is For A Typical Building, Performance Varies With Number Of Floors, Earthquake Forces & Earthquake Zones Etc.

Aerocon Blocks - Jumbo Size

From (L-R) Aerocon AAC Block, Concrete Block, Hollow Block & Clay Brick