



AERCON INDIA

AN ISO 9001 : 2008 COMPANY

Think Different.

Choose AERCON™ AAC

It's High Time Now



**Environmentally
Friendly**



**Manufacturer & Exporter of
Autoclaved Aerated Concrete Blocks**

www.aerconindia.com



Who we are.....

An Introduction to Aercon India:

Modern day architecture is truly achieving great heights as the real estate market is also seeing a major leap. The requirements of the building structure are now definitely in accordance to the international flavor. People now feel that they are ready to implement structural designs as well as make the edifice strong enough to withstand natural calamities. This has propelled the emergence of Autoclaved Aerated Concrete blocks from us, Aercon India. We are the pioneers in manufacturing AAC Blocks, and are based in Saurashtra-Kutch region of Western India.

Our Vision - Building Dreams:

Our endeavor is to work in tandem with the demand from the local market. As the current real estate boom has led to the increase in the price of buildings, hence these blocks are sure to offer relief to the people who desire to make or purchase their own home or office in future. It has been estimated that these AAC Blocks from Aercon India are sure to reduce the cost of building by a great margin undoubtedly.

Our Mission:

Aercon India is established by the people who have a thirst to manufacture AAC Blocks, which is yet to make an impact in the Indian subcontinent, is a proof of the mission that these veterans on behalf of Aercon India have set for themselves and for the company too. We, at Aercon India, are working with a talented team of engineers, who are constantly trying to upgrade these blocks to be user-friendly and yet cost-effective. Aercon India maintaining the highest level of customer service & support. One of our director is MBA Operation and BVQI Certified ISO lead auditor ensuring deliver high quality product.

In the process of continuous development, we are committed to

- » Focus on customer delight.
- » Highest quality standard.
- » Technical expertise.
- » Highly experienced team of Innovative personnel.

The product

Autoclaved Aerated Concrete Block:

Whether you're an architect, engineer, developer or builder, It's worth taking all the time you need in getting to know more than AAC products. AAC block has been in use in Australia, Europe, USA, UK and in many other nations for more than 50 Years at least. The AAC Blocks made by us at Aercon India are manufactured by combining Fly ash, Cement, Lime, Gypsum, Aluminium Powder & Water. AAC Block further cured in Autoclave under the high steam to give its desired strength.

Reason to choose **AERCON** AAC Blocks:

Aercon India have come up with these new age building blocks, which perform better than the burnt clay bricks, which are being used extensively worldwide for ages now. However, there are several advantages of using Autoclaved Aerated Concrete blocks over bricks. Let us see how and where our blocks can benefit you.

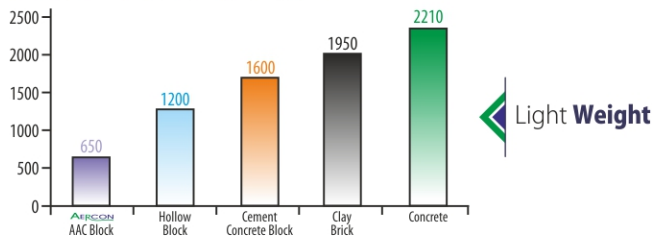
Building Blocks of the Concrete World From us:

We, at Aercon India, work towards manufacturing the latest building blocks for modern day edifices - Autoclaved Aerated Concrete Blocks, popularly known as AAC Blocks. In India, this is relatively a novel concept as compared to the rest of the world. In terms of usage of the AAC Blocks, we can say that our blocks are increasingly being used for constructing buildings in the most environmental-friendly manner. Yet, these blocks are very light in weight, high strength & cost effective.

High Rise Construction? Plan with **AERCON** and save

Reduction in dead load	33%
Reduction of reinforcement in RCC beams	20%
Reduction in load on column	33%
Saving in labour	20%
Saving in wall finishing expenses (both internal and external)	20%
Saving in plaster	50%

Density (Kg/Cu m) of Various Materials:





The product

Use of **AERCON** AACBlocks:

AAC is the material of choice for all building applications including homes, Commercial, Industrial, Schools, Warehouses, Hotels, Hospitals, Retail, Offices, High-rises.....

Our Pride - **AERCON** AAC Block V/s Traditional Clay Brick

Parameter	Aercon AAC Block	Clay Brick
Size (Length x Height x Width)	625 x 240 x 75 to 250mm 600 x 200 x 75 to 250mm or as per customer requirement	230 x 75 x 115mm
Precision in size	2mm (±)	5mm (±)
Compressive strength	3.0 to 4.0 N/mm ² (IS 2185, Part-3)	2.5 to 3.0 N/mm ²
Dry density	550-650 kg/m ³ (Oven dry)	1950 kg/m ³
Fire resistance	2 to 6 hour (Depending on thickness)	2 Hour
Sound reducing index	45db for 200mm thick wall	50db for 230mm thick wall
Mortar consumption per M ³ with 1:6	0.5 bag of cement	1.40 bag of cement
Thermal conductivity	0.16 W/mk	0.81 W/mk
Maintenance	Less due to its superior properties	Comparatively higher
Energy saving	Approx 25% reduction in air conditioner load	No such saving
Construction speed	Very high due to bigger size, light weight	Comparatively lower
Quality	Uniform and finished	Normally varies

AERCON AAC Block Construction Cost Effective:

- » Easier to install
- » AAC various size option available
- » Saving in steel reinforcement
- » Saving in mortar
- » Saving in plaster
- » Reduction in wastage
- » Long lasting
- » Reduction in HVAC load
- » Savings in power infrastructure
- » Saving in labour
- » Saving in time

Truck load and No. of **AERCON** AAC Block Calculator (Approx):

Specification				Truck Load Size				
Size	Volume (M ³)/Block	Appx. weight (Kg)	Sq.ft Area/Block	Pcs Per M ³	10 Ton	16 Ton	20 Ton	25 Ton
Volume (M ³)					15.00	24.00	27.00	33.75
Tonnage					9.75	15.60	17.55	21.94
600 x 200 x 100	0.012	7.8	1.44	83.33	1250	2000	2250	2813
600 x 200 x 125	0.015	9.8	1.44	66.67	1000	1600	1800	2250
600 x 200 x 150	0.018	11.7	1.44	55.56	833	1333	1500	1875
600 x 200 x 200	0.024	15.6	1.44	41.67	625	1000	1125	1406
600 x 200 x 225	0.027	17.6	1.44	37.04	556	889	1000	1250
625 x 240 x 100	0.015	9.8	1.78	66.67	1000	1600	1800	2250
625 x 240 x 125	0.01875	12.2	1.78	53.33	800	1280	1440	1800
625 x 240 x 150	0.0225	14.6	1.78	44.44	667	1067	1200	1500
625 x 240 x 200	0.03	19.5	1.78	33.33	500	800	900	1125
625 x 240 x 225	0.03375	21.9	1.78	29.63	444	711	800	1000

Advantages of **AERCON** AAC Blocks

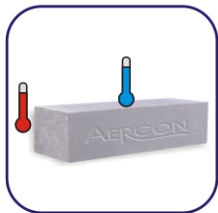


High Compressive Strength

High Compressive Strength achieved due to high pressure steam-curing autoclaving process compared to red brick.

Perfect Size & Shape

Make these blocks self aligning and give very good aligned walls with nil breakage ensured of maintaining technical requirements and quality standard.



Excellent Thermal Insulation

AERCON AAC block has exceptional thermal insulating qualities. AAC wall provides solid insulation, without the thermal bridging. Buildings constructed with AAC block tend to be cooler in summer and warmer in winter. As a results, the building's air conditioning or heating use may be lower. Customers reported lower utility bills.

Fire Resistant

AERCON AAC is non-combustible. The use of AAC block eliminates the need for the applying costly fire proofing material.



AERCON AAC - Our Pride



Speedy Labour Output

Because of the light weight of **AERCON** AAC Blocks, more pieces can be lifted with much better ease and comfort and more wall is laid per man-hour than in other type of wall construction.

Earthquake & Weather Resistance

AAC buildings have shown good resistance to earthquake forces. The non-combustible and fire resistance characteristics provide further advantages against fires commonly associates with earthquakes.



Workability

AERCON AAC Blocks ensure rapid construction because of it's big size, easy to cut in any shape or size and light weight. AAC blocks covers areas of 24" x 9" whereas the red bricks cover only 9" x 4" area. Hence fewer joints results in considerable fast speed construction.

Superior Acoustic Insulation

AERCON AAC block provides exceptional acoustic insulation. AAC block reduces outside environmental noise pollution and the indoor echo effect in empty rooms, providing a quieter, more comfortable interior for the occupants.



High Resistance to Air & Water Penetration

Since there are thinner and fewer joints in **AERCON** AAC block masonry than brick work, and very fine materials like fly ash reduce the porosity greatly resulting in no seepage and leakages, increasing water efficiency.



Cost Effective

Steel saving approx 15 to 20% and more than 15% cement saving in RCC work as AAC block is lighter than clay brick, reduce the dead weight of the building. Being 8 times the size of clay brick, **AERCON** AAC block wall construction involve $\frac{1}{3}$ to $\frac{1}{4}$ joints and due to smooth surface and exceptional dimensional in AAC block, thus overall mortar saving is 50%. Save complete internal plaster due to finished plain surface obtained **AERCON** AAC Blocks.



Termite and Pest Resistant

AAC is an inorganic, insect resistant, solid wall construction material. It is impossible for insects and rodents to inhabit in them.

Eco Friendly

Autoclaved Aerated Concrete Block is well known as an environmentally friendly construction material. Generates no pollutants / hazardous wastes.



Light Weight / Cellular Properties

Density of **AERCON** AAC blocks is 550 to 650 kg/m³ as compared to conventional brick density 1950 kg/m³.

The Concrete World



Building Blocks of



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Factory:

1.5km from Movaiya Circle,
Padadhri-Mitana Road, Rajkot-Jamnagar Highway,
Padadhri 360 110, Dist. RAJKOT (Gujarat) INDIA.

Marketing Inquiry

+91 81550 54239 | 80000 29005

Corporate Inquiry

+91 81550 70400

info@aerconindia.com

www.aerconindia.com

Regd. Office:

902, Alfa Plus, Nr. Raiya Telephone Exchange,
Opp. GSPC Gas Office,
150 Ft. Ring Road, Rajkot - 360 007.

+91 281 2584411



Eco Green

AERCON™
LIGHT WEIGHT HIGH STRENGTH

Put your project on the Fast Track and keep them there on proven Quality Product

