



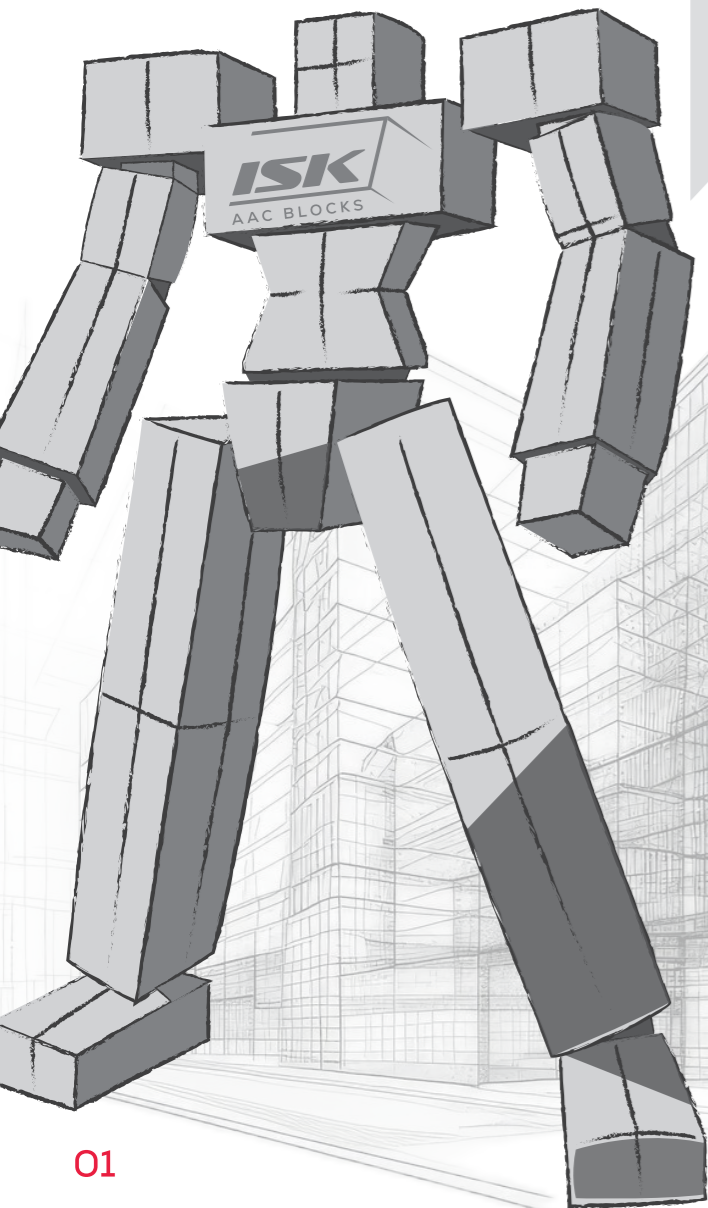
www.iskaacblocks.com





COMPANY PROFILE

ISK AAC Blocks is a pioneering force in the construction materials industry, dedicated to providing high-quality, eco-friendly Autoclaved Aerated Concrete (AAC) blocks. With a steadfast commitment to innovation and sustainability, we have established ourselves as a trusted partner for builders, architects, and developers across the region. Our AAC blocks are designed to meet the demands of modern construction, offering superior thermal insulation, fire resistance, and soundproofing properties, all while reducing the environmental impact of building projects.



BUILD THE
FUTURE

VISION |

To lead the construction materials industry with sustainable and innovative solutions, driving the future of eco-friendly building practices worldwide.

MISSION |

- To produce high-performance AAC blocks that meet and exceed the expectations of our clients.
- To promote the use of sustainable building materials that contribute to a greener, more energy-efficient world.
- To continuously invest in technology and research to improve the quality and efficiency of our products.

WHY CHOOSE ISK AAC BLOCKS?

Quality Assurance: Our AAC blocks undergo rigorous quality control checks to ensure they meet the highest industry standards, providing reliable and consistent performance in every project.

Eco-Friendly: Made from natural raw materials, ISK AAC blocks are 100% recyclable, significantly reducing the carbon footprint of construction projects.

Energy Efficiency: With excellent thermal insulation properties, our blocks help maintain comfortable indoor temperatures, reducing the need for heating and cooling, and lowering energy costs.

Durability: Our blocks are designed to withstand extreme weather conditions, resist fire, and offer long-lasting strength and stability.

Soundproofing: ISK AAC blocks provide superior sound insulation, creating a quieter and more comfortable living environment.

PRODUCTS

Standard AAC Blocks: Available in various sizes, these blocks are ideal for residential, commercial, and industrial projects.

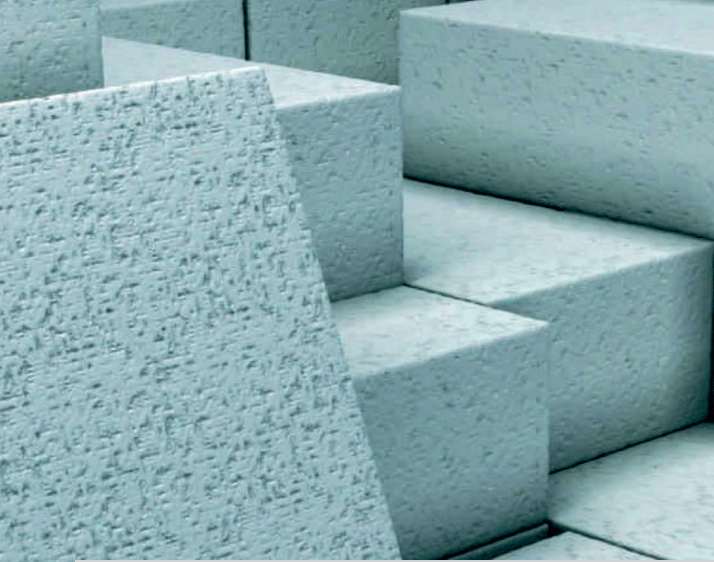
Lightweight Panels: Perfect for high-rise buildings, our lightweight panels offer easy installation and excellent load-bearing capacity.

Custom Solutions: We offer tailored AAC block solutions to meet the specific needs of your project.

SUSTAINABILITY

At ISK AAC Blocks, we believe in building a better future. Our manufacturing processes are designed to minimize waste and energy consumption, and we continuously strive to develop new ways to make our products even more environmentally friendly.





AAC BLOCKS

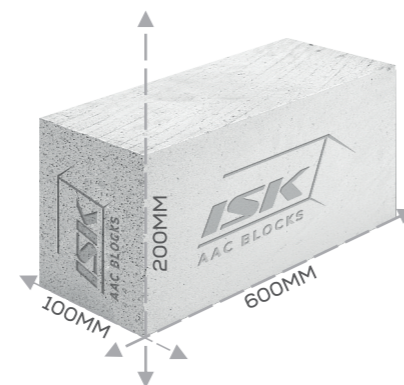
RED CLAY BRICK

ISK TECHNICAL SPECIFICATIONS

PRODUCT SPECIFICATIONS	UNITS	CAPACITY
Length	MM	600
Height	MM	200
Thickness	MM	100, 125, 150, 200, 225, 250
Compression Strength	N/MM ²	>4(As per IS. 2185 Part III)
Normal Dry Density	KG/M ³	550-650
Thermal Conductivity	W/MK	0.24
Sound Reduction	DB	Upto 45 DB - 50 DB (200MM)
Fire Resistance	HRS	*2 to 6 Depending on Thickness
Dry Shrinkage	%	0.04

ISK DIMENSIONS

SL. NO.	DIMENSION OF AAC BLOCKS (L x H x B)	CUBIC METER OF AAC BLOCK	NO. OF AAC BLOCK IN 1 CUBIC METRE	WEIGHT
01	600 X 200 X 100 MM	0.012	83.33 Pcs (Approx)	8/9 Kg (Approx)
02	600 X 200 X 125 MM	0.015	66.67 Pcs (Approx)	10/11 Kg (Approx)
03	600 X 200 X 150 MM	0.018	55.56 Pcs (Approx)	12/13 Kg (Approx)
04	600 X 200 X 200 MM	0.024	41.67 Pcs (Approx)	16/17 Kg (Approx)
05	600 X 200 X 225 MM	0.027	37.04 Pcs (Approx)	18/19 Kg (Approx)
06	600 X 200 X 250 MM	0.030	33.33 Pcs (Approx)	21/22 Kg (Approx)



Eco-friendly
PRODUCT



ISK AAC BLOCKS

V/S

RED CLAY BRICK



High Thermal Insulation does not allow heat to penetrate to the house.



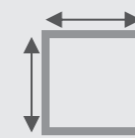
Low Thermal Insulation does not allow heat to penetrate to the house.



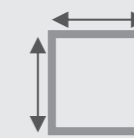
Low water seepage and high water absorption



High water seepage and high water absorption



Saves carpet area by 8-12 mm.



Takes a bigger area due to its size.



AAC Blocks achieve speedy construction due to their bigger size, low weight and fewer joints.



Brick construction is time-consuming due to smaller bricks and more joints.



Low cost per Sq. m. as compared to the clay bricks



High cost per Sq. m.

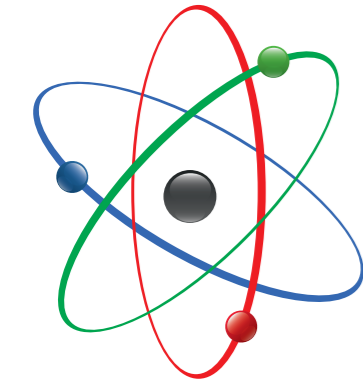


MINIMIZING EARTHQUAKE DAMAGE

AAC BLOCKS are the ideal building material for constructing earthquake-resistant, steady & safe buildings. Owing to their excellent load-bearing capacity, compressive strength and high ductility, such structures can better withstand tremors and shocks.

ISK AAC BLOCKS confirms to Seismic Zone IV & V statutory requirements.

Generally speaking, the seismic performance of AAC Blocks was clearly demonstrated when a major earthquake hit the KOBE region in Japan in 1995, buildings made out of AAC Blocks suffered minimal damage and also did not allow fire to spread rapidly.



SUPERB THERMAL EFFICIENCY

As ISK AAC BLOCKS is characterized by superior thermal insulation, these blocks enable to maintain optimal ambient temperature, the air inside is warm during winters and cool during summers. Residents end up with around 30% saving in AC costs.

Key Highlights

- No need for insulation
- Low heat transfer rate
- superior to traditional wood & masonry structures

LOW WATER PENETRATION

Compared to conventional clay bricks, ISK AAC Blocks has lesser capillary action resulting in lower water retention. Hence rainwater water/dampness from the outside does not seep inside. They are ideally suited for areas with heavy rainfall and high humidity.

ADVANTAGES OF ISK AAC BLOCKS

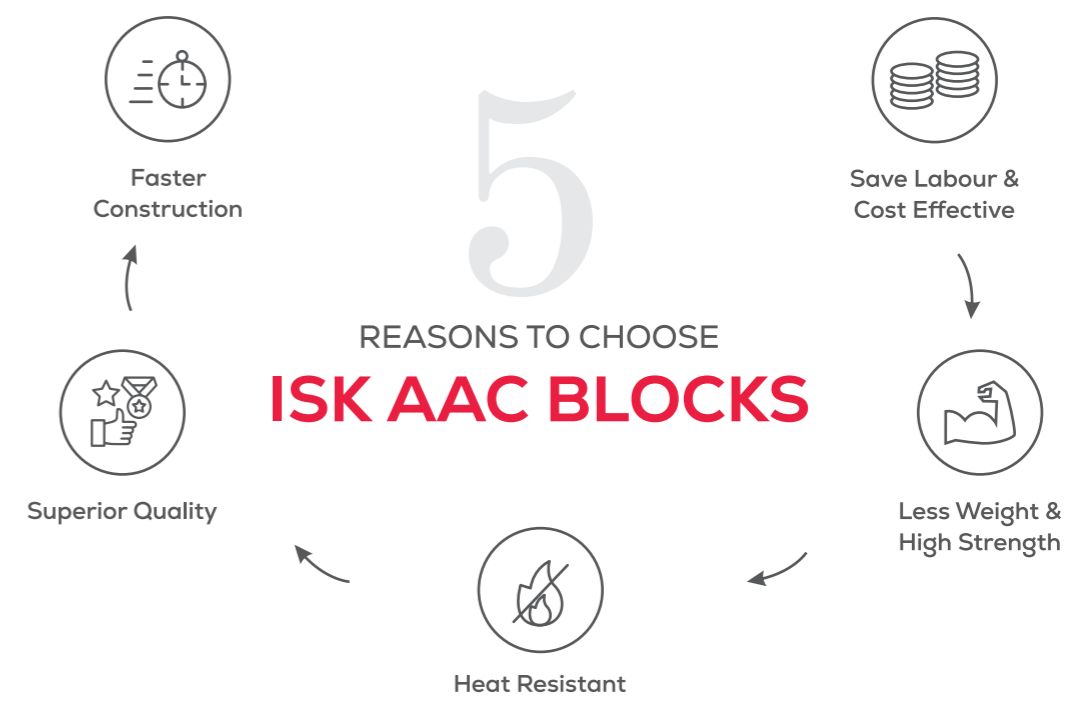
ADVANTAGES FOR BUILDERS

- Saving** in Cement, Sand & Steel
- Faster** Construction
- Less** Joints
- No Need** of Curing
- Accurate** Dimensions



ADVANTAGES FOR HOME OWNERS

- Heat** Insulated
- Termite** Resistant
- Fire** Resistant
- Eco-Friendly**
- Sound** Insulation
- Earthquake** Resistant





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