Construct your
Future with
Ecobuilt

ECOBUILT
SMART BLOCKS

www.ommecobuildtech.in

About us

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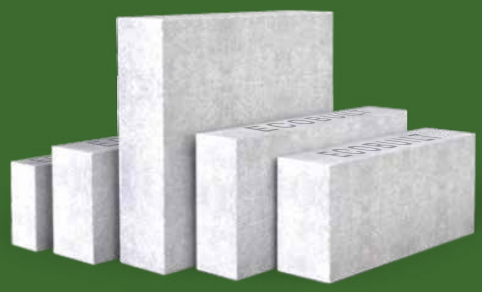
At OMM ECO BUILDTECH, we are redefining the future of sustainable construction. With a legacy spanning decades, our promoters have been at the forefront of innovation in the field of construction & construction materials industry, establishing Odisha's first and leading fly ash brick manufacturing unit. Building upon this expertise, we launched ECOBUILT, a premier brand in AAC block manufacturing, setting new benchmarks in quality, efficiency, and sustainability.

Manufactured in Cuttack, Odisha, ECOBUILT AAC blocks embody our commitment to strength, durability, and eco-friendliness, ensuring superior building solutions for modern infrastructure. Our unwavering dedication to excellence has earned us the prestigious Bureau of Indian Standards (BIS) certification, a testament to our uncompromising quality and reliability.

What is AAC?

The Autoclaved Aerated Concrete (AAC) material was developed in 1920 in Sweden.
It has become one of the most used building materials in Europe and is rapidly growing in many other countries around the world. Autoclaved Aerated Concrete is a lightweight, load-bearing, high-insulating, durable building product, which is produced in a wide range of sizes and strength. AAC offers incredible opportunities to increase building quality and at the same time reduces costs at the construction site. AAC is used in many building constructions, for example in residential homes, commercial and industrial buildings, schools, hospitals, hotels and many other applications. The construction material AAC contains 60-70% air by volume.



Features

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Eco-Friendly

The manufacturing process emits no pollutants nor creates any by products or toxic wastes. Manufacturing of AAC blocks is done from natural raw materials.

Fire Resistant

Non-combustible nature of AAC blocks provides fire resistance depending upon the thickness up-to 16000 degree centigrade (°C). This offers fire resistance for about 2-6 hours.

Pest Resistant

AAC Blocks are made up of the inorganic materials in its constitution which in turn helps in preventing or avoiding growth of termites, pests and molds. This protects the building from the damages or losses caused by pests/termites/molds.

Cost Saving

The speed and ease of overall structure assembly using AAC Blocks minimizes labour costs and improves their work efficiency.

Lightweight

Usage of AAC blocks reduces the overall dead weight of a structure, thereby allowing construction of firmer and taller buildings.

Earthquake resistant

Usage of AAC blocks reduces the overall dead weight of a structure. This reduces the impact of the earthquake on a building making AAC Blocks earthquake resistant.

Longer Durability

AAC blocks have longer life, high compressive strength and resistant to all weather conditions compared to other construction materials. These blocks are proven to be water damage free. Leading to Increased value for investment.

Sound proof

AAC Blocks are concrete materials, providing sound insulation value of 7dB greater than an another building materials ensuring peaceful living conditions. Therefore ensures peaceful living conditions.

Technical Specifications

Density (over dry)	551 – 650 kg/m²
Compressive Strength	> 4 N/mm²
Thermal Conductivity	0.14 W/m K
Resistant to Fir e	6 - 7 hours
Sound Reduction Index	37–49 dB (depending on block thickness)
Water Penetration	30 mm after 24hrs

Available Sizes

Dimensions* (mm)

Length (L)	600 mm
Height (H)	200 mm
Width (T)	75 / 100 / 125 / 150 / 200 / 225 / 250 mm

(*Size are available as per requirement and possibility of supply)

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- **Factory Site -**
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  PS- Baranga Cuttack, Odisha- 754006