



FEELS  
LIGHT  
STANDS  
**STRONG**

**Renacon**

AAC BLOCKS

Light Weight Concrete Blocks

SAVES  
**30%**  
OF  
STEEL, CEMENT  
AND LABOUR

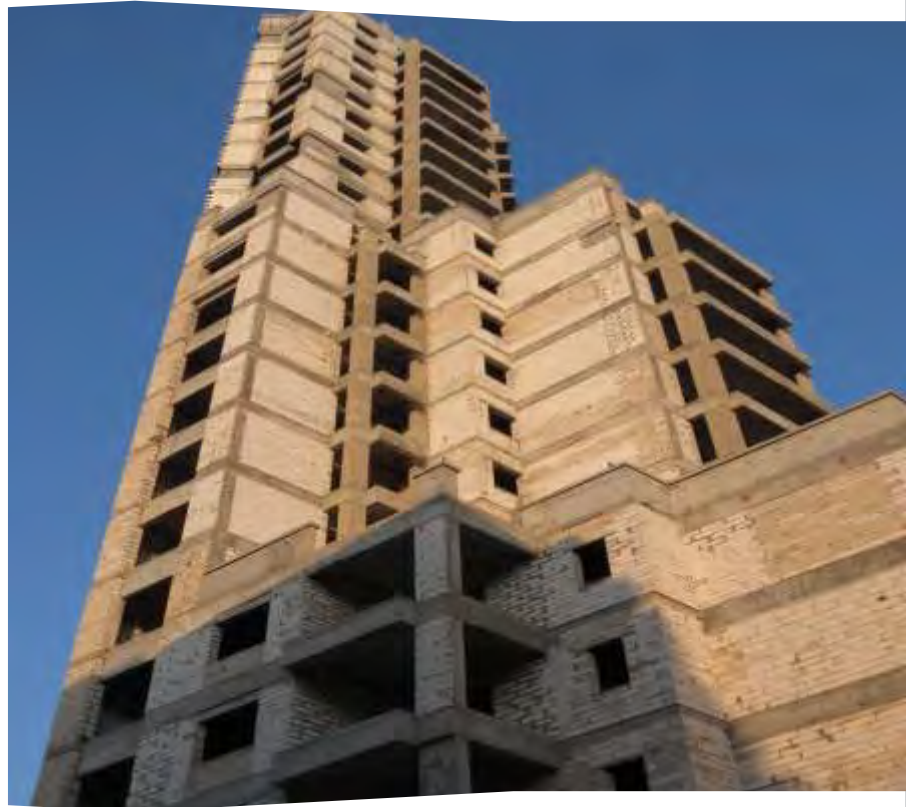


## ABOUT RENACON

Inculcating the towering need for alternative construction materials, Renaatus Procon Private Limited, a subsidiary of Renaatus Projects Private Limited and belonging to the RPP Group of Companies (Erode), manufactures the new eco-friendly Autoclaved Aerated Concrete Blocks in a state of the art plant at Arcot in Vellore District, Tamilnadu, with a scalable production capacity of 500 cum. per day to support projects of any size, anytime and anywhere!

## AUTOCLAVED AERATED CONCRETE BLOCKS

- Raw materials used to manufacture AAC Blocks are Cement, Sand / Fly Ash, Gypsum, Lime & Water.
- A little quantity of Aluminium powder in the slurry of the above mixture, aerates and creates tiny and uniform Hydrogen bubbles. The Hydrogen evaporates in a short time and the bubbles remain as a honeycomb structure with air locked inside. The wet green aerated cake thus formed is precisely cut into any required sizes using "wire cutting technology". Then the blocks are sent into huge Autoclaves where it undergoes Pre-Curing by steam under controlled temperature for several hours.
- Coming out of the Autoclaves, Renacon acquires the strength as required, conforming to BIS 2185/1984 part III and is ready for despatch, delivery and direct application at site.



PRE-CURED  
AND STRENGTHENED BY  
UNIQUE AUTOCLAVING  
PROCESS.

**EASILY NAILED, DRILLED AND CUT FOR PIPES AND CONDUITS**

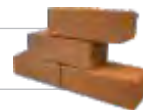


FOR FASTER,  
STRONGER AND  
LONGLASTING  
CONSTRUCTION

### Renacon AAC Blocks VS Clay Bricks



RENACON AAC BLOCKS



CLAY BRICKS

Renacon is longer in size , lesser in joints, less mortar required	Red clay brick is smaller in size , more joints ,has lesser insulation and requires more cement mortar
Both the faces of Renacon are fair faces- Inner plastering is not necessary	Requires plastering on both the sides .
More masonry output - reduces labour cost	Lesser masonry output - increases labour cost.
Reduces the load on foundation, thereby lessening the impact of earthquakes	Increases the dead weight on foundation and floors.
Computerised Design mix - Hence consistent in quality.	Manual Design mix - lacks quality consistent. Made of only "C" category clay in South India.
Known for its Dimensional accuracy as per International standards.	Deviate from the required metric standards which is 19cms x 9 cms x 9 cms
Renacon is made of Non toxic ingredients in non polluting manufacturing process	Each brick consumes 3.2 kg of top soil of Earth , \the mining of which is restricted and banned by the Judiciary, Green Tribunal and MoEF .

### FACTS

! AAC blocks accounts for 40% of all construction in UK & 60% in Germany.

! The rise in demand in India has increased production by almost 500% in last 3 years.

! During a major earthquake which shook Kobe of Japan, in the year 1995 nearly 1,06,763 houses were razed to ground. Only 5,578 houses survived the quake. They were found to be built with AAC blocks says a study.

### FEATURES OF AAC BLOCKS



Eco-friendly



Light Weight



Thermally Insulated & Energy Efficient



Fire Resistant



Sound Absorption



Faster Construction



Easy Workability



Earthquake Resistant



Termite/Pest Resistant

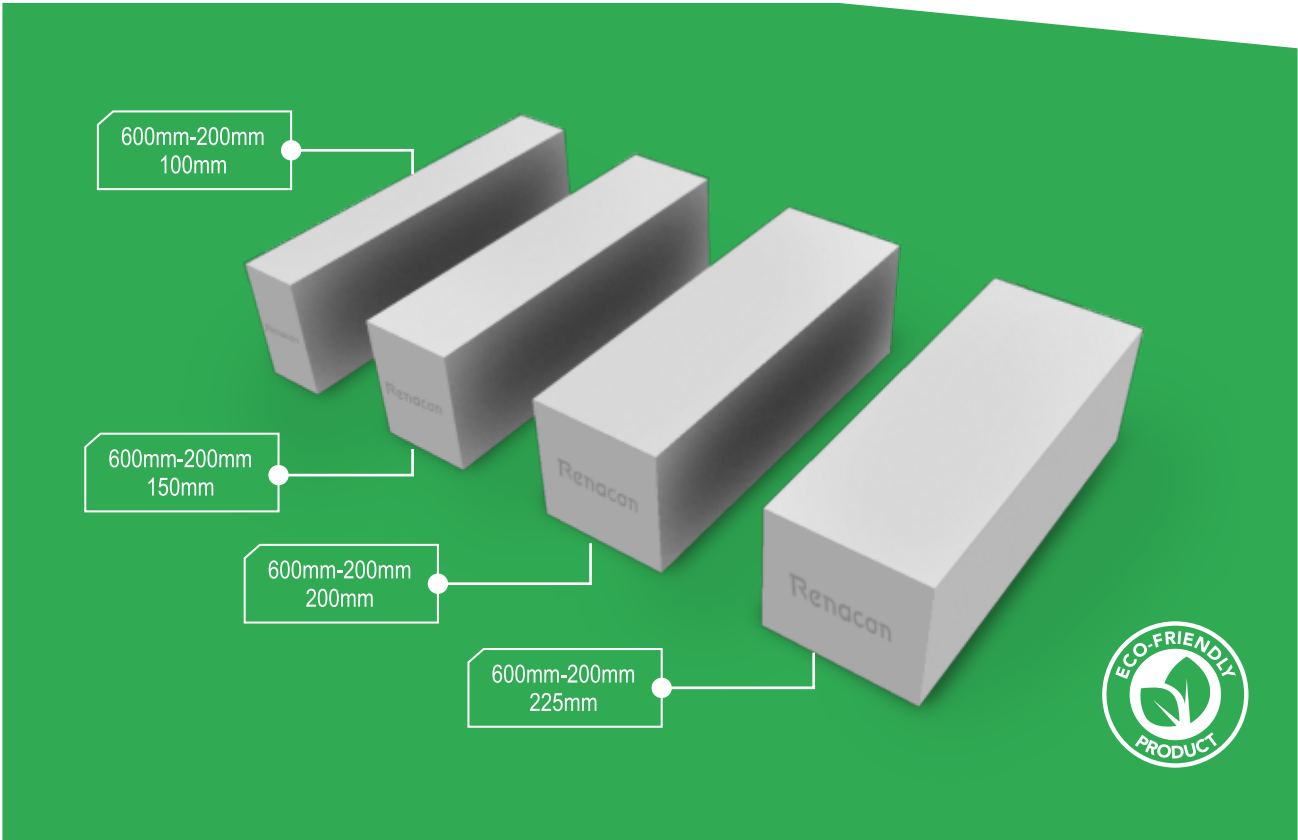


Cost Effective



Weather Proof

**SAVES 30% IN ENERGY BILLS FOR USAGE OF AIRCONDITIONERS**



## SPECIFICATIONS

Type of Product	Autoclaved Aerated Concrete Blocks
Technical Data	600 mm. L X 200 mm H x 75 to 300 mm. W (Other sizes can be customized)
Precision in Size	Variation 2 mm (+/-)
Compressive Strength	30-40kg/cm <sup>2</sup> (as per IS:2185/1984, part III)
Fire Resistance	1200°C / 4hrs for 200mm thickness
Density	600-700 kg/m <sup>3</sup> (dry)
Sound Reduction Index (db)	42db for 200 mm thick wall
Thermal Conductivity	0.16 (k) w/m deg.C
Colour	Light Grey

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FOR OPTIMUM BENEFITS OF RENACON  
FOR SAVINGS IN CEMENT, SAND AND PRECIOUS WATER