

ECOLITE

AAC BLOCKS



(Autoclaved Aerated Concrete Blocks)

ECOLITE AAC BLOCKS

Gains Like No Other.

Ecolite AAC blocks are a Grade 1, non-organic, non-toxic, lightweight and airtight material best for walling with high strength and thermal insulation properties for use in load-bearing and non-load-bearing structures for interior and exterior applications.



The significant benefit of installing Ecolite AAC Blocks is that the brand offers a complete walling solution with sustainable jointing mortar and plaster. The brand provides consistency in quality, best-in-class service, minimal wastage in transit and end-to-end technical assistance.

ECOLITE[®]
(Autoclaved Aerated Concrete Blocks)
Gain from it.



Ecolite is the flagship brand from the house of the one-and-half-decade young JVS Comatsco Industries Pvt Ltd. Ecolite AAC products are made from environmentally friendly raw materials, using Portland cement mixed with quartz (silica/PFA), water and aeration agent, and poured into a mould. This mixed and moulded sustainable concrete is autoclaved under heat and pressure, giving Ecolite blocks unique properties.

Brand Ecolite markets AAC blocks and lintels.

The 5-Star Walling Solution.

The five-star offering by Ecolite makes the brand bring gains beyond the usual to be the preferred choice for many.



★ Improves your construction economy

Large in size and easy to hold and lay, it makes the construction of walls quicker than conventional materials and means, resulting in savings.

★ Helps you go faster to market

Construction projects are time-driven. The fast construction paves the way for quicker project completion, creating an opportunity to take the project to market faster and seek ROI quicker.

★ Boosts your image and perception

Sustainable products, for sure, aid us, the inhabitants, to live better. Yet, choosing sustainability over other options is a testament to your resolve and speaks about your rightful image and perception.

★ Strengthens your construction

Stronger products make for more robust structures. Grade 1 Ecolite blocks are the perfect choice for load-bearing structures as well as more durable walling.

★ Allows you a grand preference

The brand knows your exact needs and hence allows you a range of blocks from regular walling applications to extra large blocks for faster laying, fewer joints, and blocks with sound insulation properties.

The 'Green' Gains From Ecolite AAC Blocks:

- Reduced energy consumption in production
- The manufacturing process emits no pollutants or creates toxic waste products.
- Manufactured using abundant materials
- Lighter weight compared to other materials significantly reduces CO2 emissions during transportation.
- Excellent thermal efficiency reduces the time for space heating/cooling in buildings, saving precious energy usage.
- Easy workability allows accurate cutting that minimizes solid waste generation during use and installation.
- It requires a sustainable mortar and plaster, saving precious river sand usually used to form conventional mortar and plaster.





Ecolite Advantages



Fire Resistant



Easy To Use



Light Weight



Saves Water



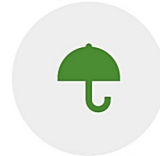
Pest Resistant



Energy Efficient



Long Lasting



Moisture-resistant



Thermally
Insulated



Acoustically
Absorbent



Earthquake
Resistant



Environmentally
Friendly



Ecolite AAC Blocks Are Used In The Following Applications



Industries & Factories



Residential Bungalows



Theatres, Auditoriums



Hotels And Restaurants



Office Buildings



Hospitals



Warehouse, Cold Storages



Educational Institutions



Firewalls and Sound walls

Product Ranges



Ecolite AAC Blocks (Regular)

Ecolite Blocks are a great sustainable alternative to clay bricks and other non-sustainable bricks or blocks. The Ecolite blocks are almost half lighter than the conventional bricks and nearly twice the compressive strength of traditional bricks at $>4 \text{ N/mm}^2$. Ecolite AAC blocks qualify for load-bearing (and non-load-bearing) structures and can be laid much quicker, saving time and construction costs.

Ecolite AAC Blocks (XL)

Ecolite Blocks XL are larger AAC blocks that considerably improve your construction economy and fast-track construction time. The XL blocks may be used for interior and exterior construction and can be painted or coated with plaster. In addition to their quick and easy installation, they can be routed, sanded, or cut to size on-site using standard power tools with carbon steel cutters.



Ecolite AAC Blocks (Mute)

Ecolite Mute AAC blocks are created with closed air pockets to act as 'sound barriers' and help provide excellent sound insulation or sound absorption with an STC (Sound Transmission Class) rating of 44. The product remains extremely simple and modular in design. Ecolite Mute blocks can also be a sound barrier wall along busy roads to insulate vehicular and other noise. The product is

Technical Specifications

Particulars	Units	Sizes
Size	mm	625 x 240 x thickness, 600 x 200 x thickness
Thickness	mm	75/100/125/150/200/230/300
Compressive Strength	N/mm ²	>4
Normal Dry Density	Kg/m ³	551 - 650
Sound Absorption	dB	Up to 42
Fire Resistance	Hrs	4 (Up to 200mm Thick Wall)
Thermal Conductivity 'K'	W/mK	0.16 - 0.2
Thermal Resistance	K-m ² /W	1.25 - 1(for 200mm thick wall)
Heat Transmission Coefficient 'U'	w/m ² k	0.8 - 1
Dry Shrinkage	%	0.05

Illuminating Sustainability

Sustainability is imperative to contain the changing climate in a changing world. Brand JVS is committed to making products and providing solutions that reside inside the realm of sustainability. It is our little effort to brighten up prospects for the world of tomorrow.

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