



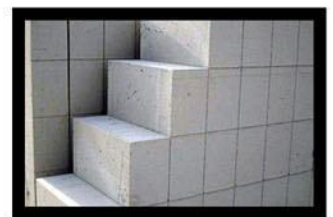
GEOLITE

LIGHT WEIGHT CONCRETE BRICKS

About GEOLITE Light Weight Concrete Bricks

GEOLITE Lightweight Concrete Bricks are made with a proven technology & used successfully over 25 years in more than 50 different countries such as USA, UK, Sweden etc. Now manufactured in Kolhapur.

GEOLITE Bricks are high in quality & low in price. It gains strength with time, and is highly resistant to water absorption. It shows great thermal & acoustic insulation property. Due to cellular structure and larger size, Handling and construction is done easily, rapidly with much superior finish. Steel Requirement in building Structure is less due to lighter weight of wall construction, saving up to 25% in the material of the steel.



Advantages of GEOLITE Lightweight Concrete Bricks



Lightweight -

- Steel & Cement requirement in structure is less due to less weight of wall construction results in savings up to 15% of total project cost.
- Facilitates construction of unplanned walls anywhere & anytime.
- Three times less weight than clay or fly ash bricks



Fire resistance -

- Thermal insulation performance is 5 times better than clay bricks & 10 times better than RCC
- With a just 100 mm thickness of wall 700 kg/m³ GEOLITE Bricks offers fire endurance for heat transmission for 4 hours without releasing any toxic fumes.



Weather & Earthquake resistance -

- Water absorption of GEOLITE bricks is relatively lower than any other materials.
- Closed cell structure of GEOLITE bricks reduces water absorption, So, No more Damp spots on the wall.
- Lower water absorption property of these blocks will help to reduce cracks in walls
- The lightness of the material increases resistance against earthquake



Sound Insulation -

- has up to 37-42 db sound reduction based on thickness
- Due to its sound insulation, it is ideal in construction of schools, hospitals, amphitheatres. Etc.



Energy Savings -

- Less Electricity for AC/Heater. Due to Good thermal Insulation Property.
- Pollution free. Least energy requirement on production.



Environment Friendly -

- GEOLITE bricks are manufactured with fly ash - 100% recycled resource.
- Valuable Soil is not consumed.



Non Hazardous - SAFE -

- No Greenhouse gases are emitted during the manufacturing process.
- It produces no toxic fumes or emission over its lifetime.



Longer Life -

- Compressive strength increases with age.
- Typical Life is about 120 Years – Double than Clay bricks



Money Savings -

- Economical in transportation, reduction in Manpower. Due to Less weight & Larger Size
- Significant reduction of overall weight results in savings on structural frames, footings or piles (Steel And Cement). Such savings are often the multiple of the actual cost of the material itself.
- Decrease in number of joints and accurate dimensions of blocks, reduces cement mortar, plastering and Precious time & cost of labor.
- The bricks can be sawed, drilled and shaped like wood using standard hand tools, regular screws and nails. It is simpler than brick or concrete. So less wastage.
- By using 6 inch block in place of 9 inch brick, customer gets an additional 2% - 3% carpet area. The savings on account of additional carpet area gained is more than cost of bricks
- **Savings in construction cost can be as much as 13-15% when using GEOLITE Lightweight blocks, as compared to clay bricks after considering resulting saving in steel, structure, cement, sand, gravel, etc.**

Standard Sizes in MM :

600 X 228 X 100 = 74 Blocks per Cubic Meter

600 X 228 X 150 = 49 Blocks per Cubic Meter

600 X 228 X 200 = 37 Blocks per Cubic Meter

* Custom Sizes Can be made as per order

Technical Specifications

Particulars	Unit	Value	Advantage
Size	Inch	4Wx9Hx24L 6Wx9Hx24L	Thinner Walls
Dry Density	Kg/m ³	700 Approx	
Dry Weight	Kg Max	4 Inch - 10 kg 6 Inch - 15 kg	Light Weight
Compressive Strength	kg/cm ²	30-40	Adquate Strength
Water Absorption	%	<20	Very Low

Note : All Figures are indicative only

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