

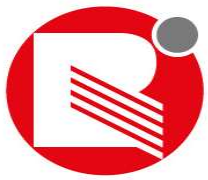
ULTRA LITE AAC Blocks



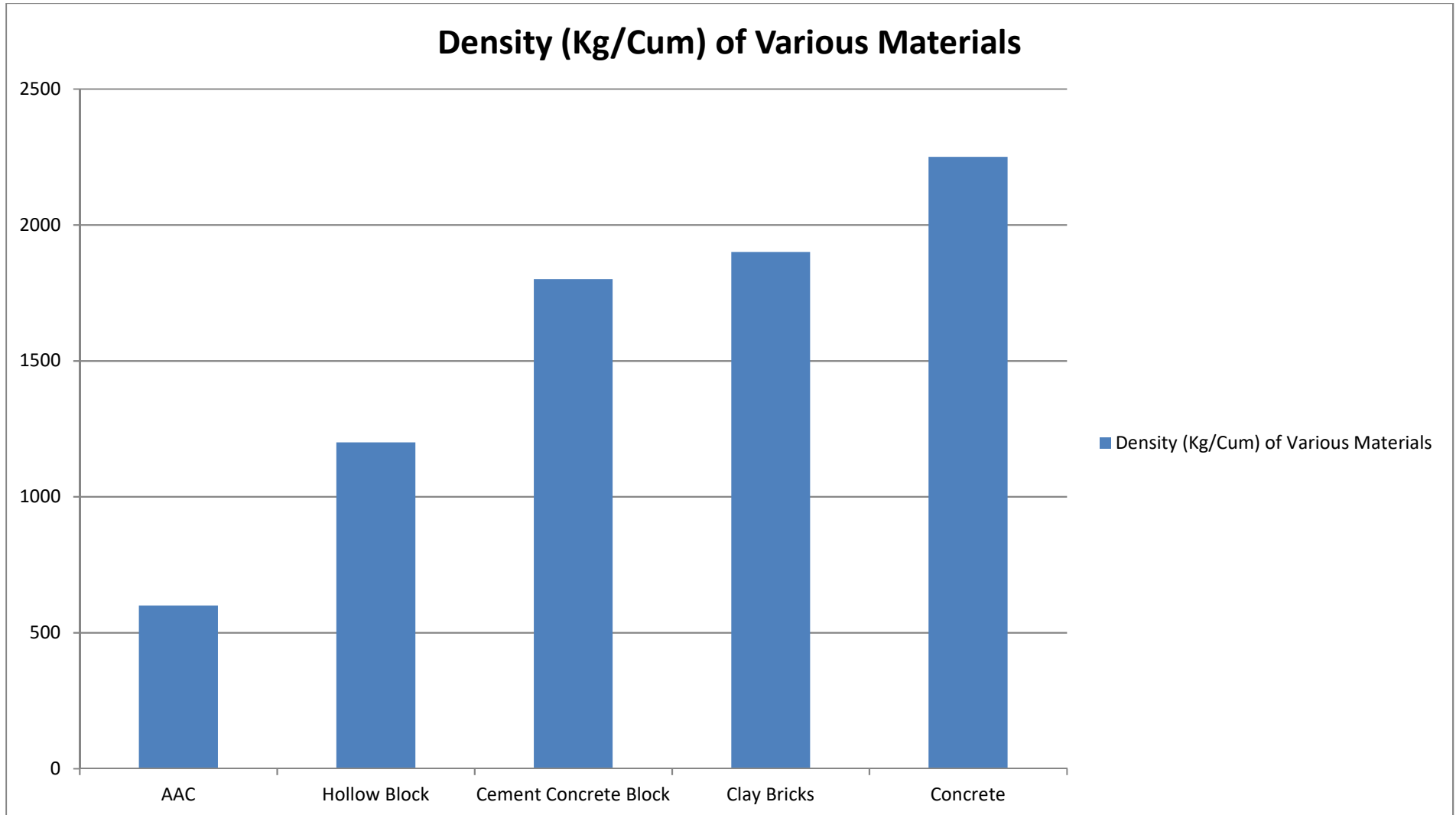
ROBOTEK BUILDCON PVT LTD ULTRA LITE AAC Blocks

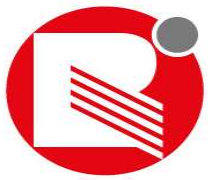
Formed as a result of reaction with **Aluminum** on a proportionate **blend of lime, cement & Fly ash**, **The Hydrogen Gas** that escapes creates millions of tiny air cells giving it a strong cellular structure which is further strengthened by high pressure steam curing in Autoclaves known as **AUTOCLAVED AERATED CONCRETE (AAC) BLOCK.**





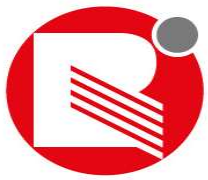
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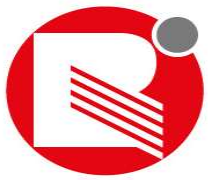
- Very Light Weight Concrete Blocks (650-700 kg/m³), ¼th weight of normal bricks/blocks.
- Numerous Advantages especially for high rise buildings,
 - Reduction in dead weight.
 - Saving in Steel/ Concrete (*>10%-Steel and Concrete Combined*).
 - Increase in floor area due to reduction in size of columns.
 - Better Thermal /Sound Insulations.
 - Easy to transport on upper floors.
 - Time saving in Construction.



ULTRA LITE AAC Blocks



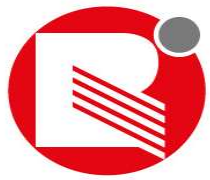
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ULTRA LITE AAC Blocks



ULTRA LITE AAC Blocks

Sr. No	Parameter	AAC Blocks	Concrete Block	Brick
1	Size	(600x200x75-300) mm	(400x200x100-200) mm	(230x115x75) mm
2	Variation in Dimensions	+/- 1mm	+/- 3mm	+/- 5mm
3	#Compressive Strength	45-50 kg/cm ² (As per IS:2185)	45-50 kg/cm ² (As per IS:2185)	25-30 kg/cm ² (As per IS:1077)
4	Dry Density	650-700 kg/m ³ (Oven Dry)	1800 kg/m ³	1950 kg/m ³
5	Fire Resistance	4-6 Hours depending on thickness	4 Hours	2 Hours
6	Sound Reduction Index (dB)	45dB for 200 mm thick wall		40 for 230 mm thick wall
7	Thermal Conductivity W/(K-m)	0.16	0.51	0.81
8	Color Availability	Greyish White	Grey	Red

#Ultra Lite AAC Bricks : 40kg/cm²



ULTRA LITE AAC Blocks

Applications:

- Walls Internal/External.
- Load Bearing in Low and Medium raising buildings.
- Non Load Bearing Walls in framed constructions.
- Partition Walls.