geocon®
Light weight Bricks



LIGHTER - STRONGER - SMARTER

THE INNOVATION IN BRICK MAKING

geocon.bricks@gmail.com www.geocon-bricks.com

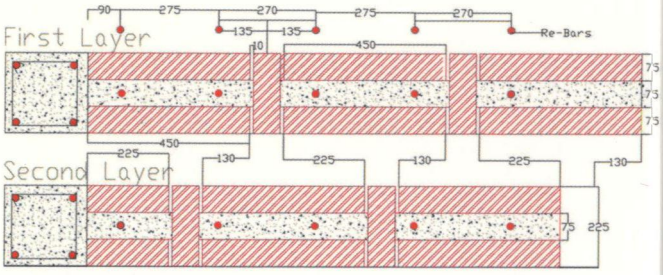


Why We Are?

- The Innovative product for load bearing Structural wall to withstands severe weather condition.
- High resistance to sulphate and chloride.
- Specially Engineered for crack - resistant.

Right Product - Right Application

- Specially made for load bearing wall in super Structure size **(18" x 9" x 6")** as per IS **2185 (Part 4).**
- Specially made for load bearing wall in Sub Structure size **(18" x 9" x 3")** as per IS **2185 (Part 4).**

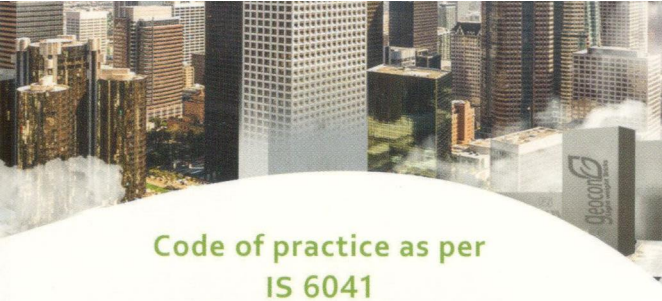


Rat Trap bond with RCC M20



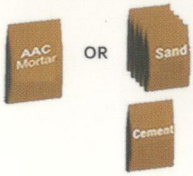
Difference:

Parameters	LWCB	AAC Block	Clay / Flyash Bricks
Basic Raw Material	Cement, Fly-Ash Sand, Foam & Water	Fly-Ash, Aluminium Powder, Lime & Gypsum	Top Clay Soil & Energy
Dry Density Kg / m^3	1250 -1350	650 - 750	1800 - 2000
Compressive Strength kn / m2	5.5 - 6.5	2.5 -3.5	4.0 - 5.0
Applications	Load Bearing & Non-Load Bearing Walls	Non-Load Bearing Walls	Load Bearing & Non-Load Bearing Walls
Ageing	Gains Strength with Age	No Gain in Strength with Age	No Gain in Strength with Age
Size	450 x 225 x (150 / 75) 18" x 9" x 6" and 18" x 9" x 3"	600 x 200 x 100 / 150 / 2 00 / 225 mm	230 x 100 x 75mm 9" x 4.5" x 3"
Water Absorption	10% to 12%	30% to 40%	15% to 25%



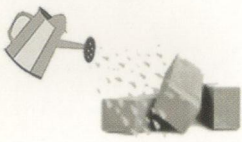
Code of practice as per IS 6041

Mortar for Masonry



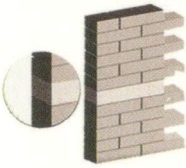
use 1:5 cement - sand mortar need to be used for 6" blocks and 1:3 cement mortar need to be used or Ready mix mortar used for 3" blocks

Wetting of Blocks



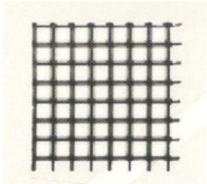
These blocks need be wetted before or during the laying in the walls.

Coping Beam



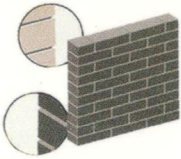
Horizontal coping required 0.9 to 1.2 mtr height with 2 nos 8 mm reinforcement M20 concrete.

Beam & Column



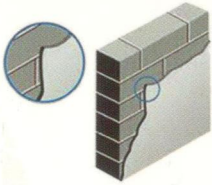
Use wire mesh/fiber mesh for RCC-Masonry joints & coping

Mortar Thickness



Keep it limited to 10 to 12mm in cement sand mortar (Refer IS 6041 - 1985 Para 7, 7.1) & 3 to 4mm in Ready mix mortar.

Plaster



Plaster thickness required Internal: 10 to 12mm, External : 15 to 17mm

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Cost Saving

Reduce the total construction cost by 25% with the help of LWC Blocks

Low Water Absorption

LWC blocks absorb less water compared to clay bricks due to the Capilary action

Time Saving

Work can be easily completed due to the uniform size & easy to handle nature of our blocks.

Light Weight

The presence of even air pockets ensure comparatively less weight in LWCblocks, compared with all other bricks in the marker.

Termite Free

Due to the absence of organic components, LWC blocks have good resistance against common pests, rodents and moulds.

Fire Resistant

The Factional air pockets and impressive thermal insulation capability helps in fighting against fire.

Uniform size

Our high end machinery helps to cut the blocks in clean uniform size with great finishing.

Sound Insulation

The Sound transmission class rating helps LWC blocks in safegaurding your interiors from extreme noise.

Geocon Bricks

LWC BLOCKS

Specially made for Load Bearing Walls

CONSTRUCT STRONG, CONSTRUCT REMARKABLE.

SCAN HERE

FOR MORE DETAILS

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