EXFLÖR

CONCRETE BLOCKS

An ISO 9001 : 2008 Company with ISI Mark

IS:15658

LOAD BEARING

CONSISTENT QUALITY

ASSURED SUPPLY

COST SAVING

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HOLLOW BLOCKS

BENEFITS

- Better insulation property than clay bricks & laterite stone.
- Keeps Interior Cooler Saves A.C. bills by upto 50%
- 1+7 load bearing structures possible to construct
- Easy to trace electrical cables through hollow portions of the wall
- Reduce Structural Steel. Density of block only 1250kg/m^3
- No water seepage
- Ideal for faster construction
- Reduce mortar for joints by 50%
- Saves labour costs
- Thickness of plaster less than 7mm (saving by 50%)
- Manufactured using world-class American Vibro-Press Machinery
- Assured supply

SPECIFICATIONS

Size Available : 40 x 20 x20 30 x 20 x 15 40 x 20 x 10

Crushing Strength : 70kg/cm^2 or 7 N/mm^2

% Hollow : 40% hollow, open cavity

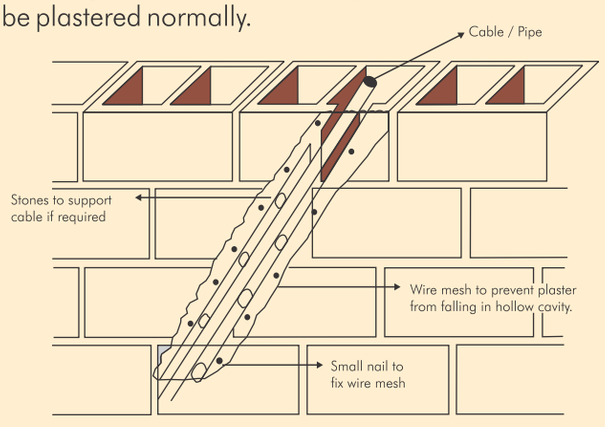
Net Density of concrete in products (compaction) : 2350 kg/m^3

Actual Density of the product : 1250 kg/m^3

Water Absorption : Less then 5% by weight

PROCEDURE
for chasing through a Hollow Block Wall

- Mark the chase.
- Cut using only electric cutter. Maintain the depth of the cut as per requirement even if the hollow portion (inside) of the block gets exposed. Care should be taken not to make the cavity of the cut too wide. The width of the cavity should be just enough to seat the cable or pipe.
- Place the pipe/cable though the cavity formed after cutting.
- Support the cable/pipe using stones (kanka), if required / possible.
- Lay wire mesh & secure it on the cut as shown using small nails or tacks. This will prevent plaster mortar from falling inside the hollow cavity of the wall.
- Now the wall can be plastered normally.

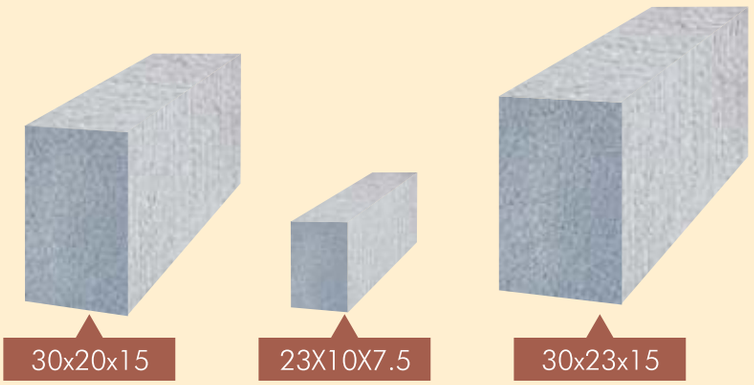


SOLID BLOCKS

Blocks factory manufactured from Heavy Duty Vibration compression machine on steel pallets under controlled conditions from automatic batching plant & 3D mixer with moisture sensors & mist cured in specially designed chambers for optimum curing of blocks.

SPECIFICATIONS

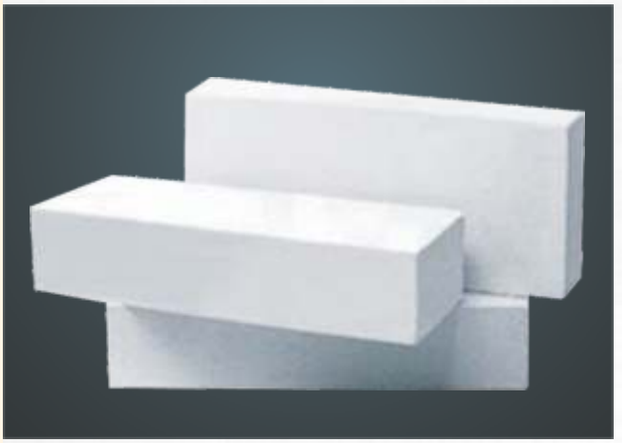
Size Available :
300x200x150
300x230x150
230x100x75
Crushing Strength :
50kg/cm^2 or 5 N/mm^2
Net Density of concrete in products (compaction) :
2000 kg/m^3
Water Absorption :
Less than 10% by weight



ACC BLOCKS

Exflor and Ecolite bring to you Autoclaved Aerated Concrete (AAC) Blocks. Made from environment friendly raw materials, it is an ideal building material for use in today's times. It is an economical, sustainable, solid block that provides thermal & acoustic insulation as well as fire & termite resistance. AAC is available in variety of forms, ranging from wall and roof panels to blocks & lintels. These blocks only look porous. Being a cellular structure, it actually blocks the capillary action, so water does not percolate unlike traditional bricks.

These blocks significantly outperform traditional bricks, fly ash bricks, conventional concrete blocks or poured concrete. Consistency in quality and colour can be obtained and exterior walls can be covered with a single exterior plaster cladding - enough to fight the exposure to physical damage, dirt and water.



PRODUCTION

- Autoclaved Aerated Concrete (AAC) blocks are made using Portland cement which is mixed with quartz (silica/PFA), water and an aeration agent and poured into a mould.
- The reaction between aeration agent & concrete causes millions of microscopic bubbles to form, expanding the concrete. That gives the blocks its unique properties.
- These blocks are then cut to size and formed by steam-curing in a pressurized chamber (autoclave). The result is a non-organic, non-toxic, airtight material that can be used for construction of walls.

SPECIFICATIONS

Particulars	Units	Sizes
Size	mm	625 X 240 X thickness
Thickness	mm	75, 100, 125, 150, 200, 230 & 300
Compressive Strength	N/mm^2	3.5 - 4.0 (IS 2185)
Normal Dry Density	Kg/m^3	550 - 650
Sound Absorption	dB	Upto 42
Fire Resistance	Hrs.	4*
Thermal Conductivity 'K'	W/m^2k	0.16
Thermal Resistance	$K\text{-}m^2/W$	0.46
Heat Transmission Coefficient 'u'	W/m^2k	2.17
Drying Shrinkage	%	0.04% (of the length of block)

* For 200mm thick wall

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EXFLOR
HOLLOW CONCRETE BLOCKS

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