



JmB

Jindal mechno Bricks Pvt. Ltd.



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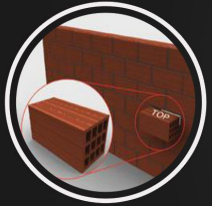
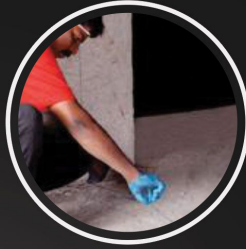
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Hollow
Blocks
2018

→ Onsite Application Procedure-Wall Construction:

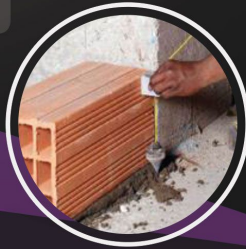
Step 1

Lay out marking for wall construction with BLOCK.



Step 2

Placement of BLOCK in wall construction.



Step 3

Lay the block as per the layout marking, fix the brick firmly in the mortar. Maintain the mortar consistency a little rigid so as to avoid displacement of BLOCK.

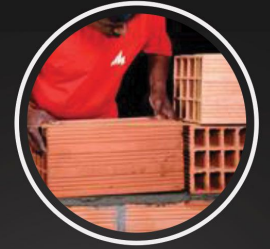
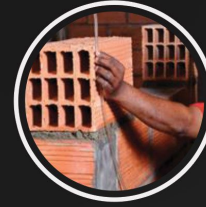


Step 4

Packing of vertical joints (thick consistent mortar of 10 to 15 mm thickness)

Step 5

Alignment of BLOCK by help of nylon thread.

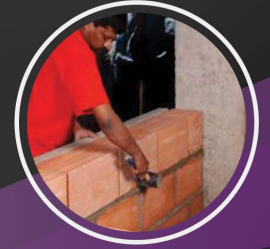


Step 6

Horizontal leveling by tube level to align and maintain mortar thickness for each horizontal mortar joint.

Step 7

Alignment of wall with aluminum float/ section.



Step 8

Top most course should have FULL BRICK only. This can be done by planning the course height and no. of bricks including mortar thickness.

Step 9

Smearing of open perforations at corners and ends.



→ about *us*

M/S Jindal Mechno Bricks (JmB) Pvt. Ltd., an ISO 9001:2008 certified company, is one of the leading manufacturers of machine made bricks & tiles since 1997. In its bid to further innovate and move towards 'Green' products, the company has invested heavily into the manufacturing of Clay Hollow Blocks.

At JmB, all raw materials used for brick manufacturing are natural products. A fully equipped laboratory on site is used to ensure the quality of raw material and end products.

The Hollow Blocks are manufactured with the process of extrusion. In this process, a dough of moist clay is made which is then extruded through a mould to create a long slab of a desired size. These slabs are then cut to create hollow blocks.

The introduction of perforations reduces the volume of clay used and hence reduces the weight, making the product lighter and easier to handle. It also helps in enhancing the thermal as well as the sound insulation property of the block.

CLAY HOLLOW BLOCKS ARE 100% NATURAL, GREEN PRODUCTS AND ARE USED IN BUILDING LONG LASTING HOMES. IT PROVIDES NATURAL COMFORT FOR GENERATIONS AND HELPS IN FASTER CONSTRUCTION.



200x200x400mm
150x200x400mm
100x200x400mm

Time Saving

One hollow block is equivalent to 9 bricks.
Therefore, blocks are faster and easier to install which in turn saves construction time and labour cost.



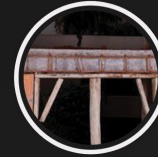
Thermal Insulation

Hollow blocks have perforations which trap air and provide thermal insulation. Thus, they keep the interior spaces cool in summer and warm in winter.

→ Application for Conduiting & Chasing

Step 1

Give the marking for conduits to be chased.
Use angle grinder to make a chase/cut in the wall.



Step 2

Chipping out the chased portion by sharp chamfered chisel & hammer.



Step 3

Fixing of electrical switch box/pipe in the chased portion.



Step 4

Installed electrical conduits, switch boxes & plumbing conduits.



→ Method for Cutting

Step 1

Cut Brick with Wet Stone Cutter.



Step 2

Chisel on the cut by using sharp chisel. Chisel only on the flat strip on the surface of the brick.



Step 3

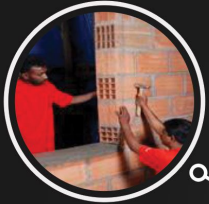
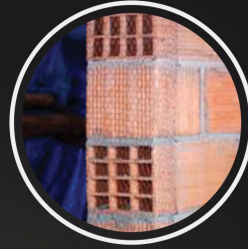
The BLOCK gets cut in two pieces.



→ Application for Window/Door Fixation

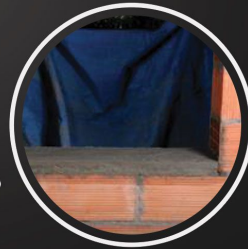
Step 1

Turn the half brick 90° vertical at vertical jambs of doors and windows, this facilitates one to use and fix doors windows firmly with sleeve anchors.



Step 2

Fix chicken mesh on the vertical jambs before plastering, this ensures as micro reinforcement to the plastered surface at vertical jambs.



Step 3

Window sill to be minimum 50 mm thick laid in concrete, this ensures proper fixing of window at sill level by help of sleeve anchors.

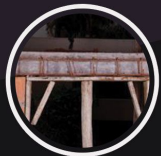


Step 4

Window lintel shuttering

Step 5

RCC casted Lintel



Step 6

Window fixing



Sound Insulation

The perforation in the blocks act as soundproofing system.

Green Building Material

For Clay Hollow Block, 40% less clay is used then the conventional bricks.
For Hollow Concrete Block, Fly ash is added in its composition, which makes it a sustainable building material.



Less Dead Load

Hollow Block is lighter than the volumetric equivalent of 9 bricks. Thus, hollow blocks will reduce the amount of dead load for buildings and thus structure cost will be cut down.

Fast & Easy Installation!

1 Hollow block is equivalent to 9 bricks.
The large size makes handling and installation very easy and quick.

