



Filler Wall Blocks

We have been producing blocks for filler walls which can be used as non-load bearing blocks for both RCC framed structures as well as steel structures. These Blocks are also used in Roofing and Flooring of rooms for better heat and sound insulation.

Why PolyConcrete Blocks?



82 Blocks = 100 sq. ft.



30-40% cheaper than bricks. Cost effective & environment friendly.



Minimum crushing strength between 1 - 1.5 n/mm²



Higher thermal and sound insulation.

Currently, we are producing

Full Brick Wall (Block Size – 18"x9"x9")

Equivalent to 16 clay bricks

Half Brick Wall (Block Size – 18"x9"x4.5")

Equivalent to 8 clay bricks

Laying of Filler Wall Blocks:

Laying of wall Blocks are done similar to the ordinary Brick walls. However the following should be considered while laying the walls to achieve maximum benefit:

- ▶ The walls must be laid in perfect line and level.
- ▶ Cement Sand Mortar (1:4) or cement grout can be used for laying the walls.
- ▶ The thickness of cement sand mortar should be between 8-10 mm and spread evenly along the block length. Both horizontal and vertical joints should be between 8-10 mm.
- ▶ In the case of Cement Grout; the thickness should be between 3-4 mm and spread evenly along the block length. Both horizontal and vertical joints should be between 3-4 mm.
- ▶ Horizontal Earthquake Bands of 3-4" thickness (RCC 1:2:4 with 2 nos. 8 mm dia. reinforcement bars) should be provided after 3-4 layers of Blocks are laid in the wall. In the walls with doors and windows, these bands can be laid in the sill and lintel levels.
- ▶ If height of the wall is more than 10 ft then vertical bands are to be provided suitably.
- ▶ For plastering the walls and get better gripping; it is advised to make grooves in horizontal and vertical joints while laying the wall and apply cement slurry before plastering is started.