CHEMA FOAM

BUILD YOUR DREAM

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CHEMA BLOCK is an alternate engineering solution for hollow blocks, as it a block of expanded-polystyrene foam block covered by a layer of light-weight polymeric concrete from one or two sides, Patent Number (20865)

Applications

- Used for ribbed slabs instead of hollow block, to ease loads and widen spans.
- Used for bridge slabs and tunnel ceilings.
- Up lifting interior levels.

Key features

- It saves up to 35% of concrete quantity.
- It saves up to 30% of steel reinforcement.
- Reduces building cost up to 40%.
- Easy to install and finish.
- It bonds strong with slab concrete

Installation method

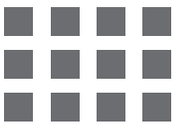
• Spans (5:7) m.

One-way The blocks are put in continued rows, separated by ribs with width (10-12) cm.
The space between ribs 40:60 cm.



• Spans (8:12) m.

Double-way The blocks are put in continuedrows separated by ribs- in the two directions
with width (12-15) cm.
The space between ribs 60:100 cm.



Notes

Electric wires should pass through ribs.
The rebar is lifted over the blocks using rebar spacer.
The slab and the inner finishing layer should be cured by water for at least 7days to raise the efficiency of concrete strength.

Technical Data

Description	Unit	Values
Weight /m2	Kg	50 : 25
Concrete layer thickness	Cm	1.5 : 1
Block Depth	Cm	100 : 10
Block dimensions	Cm	according to design
EPS Density	Kg/m^3	10 : 35
Fracture stress	MPA	5
Water absorption	% per inch	4.2 :2.0
Compressive strength	KPA	68:185

Values varied according to dimensions and densities

Safety precautions

- Chema Block is a breakable.
- Keep away from sparks and flame.
- Avoid strong oxidizing agents and aromatic solvents.
- avoid stacking on the edge of the product.

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