



PAVERS AND BLOCKS MANUFACTURERS ASSOCIATION

[Regd. Under Section 8 of Companies Act, 2013], CIN No. U74999MH2018NPL308583

IS 2185 (Part 1): 2005 HOLLOW AND SOLID CONCRETE BLOCKS – SPECIFICATION

Key Information

DIMENSIONS

The nominal dimensions of concrete block shall be as follows:

Length: 400, 500 or 600 mm

Height: 200 or 100 mm

Width: 50, 75, 100, 150, 200, 250 or 300 mm.

In addition, block shall be manufactured in half lengths of 200, 250 or 300 mm to correspond to the full lengths.

TOLERANCES

Length: $\leq \pm 5$ mm

Height & Width: $\leq \pm 3$ mm.

PHYSICAL REQUIREMENTS

Type	Grade	Density of Block kg/m ³	Minimum Average Compressive Strength of Units N/mm ²	Minimum Compressive Strength of Individual Units N/mm ²
Hollow (open and closed cavity) load bearing unit	A (3.5)	≥ 1500	3.5	2.8
	A (4.5)		4.5	3.6
	A (5.5)		5.5	4.4
	A (7.0)		7.0	5.6
	A (8.5)		8.5	7.0
	A (10.0)		10.0	8.0
	A (12.5)		12.5	10.0
	A (15.0)		15.0	12.0
	B (3.5)	1100 - 1500	3.5	2.8
	B (5.0)		5.0	4.0
Solid load bearing unit	C (4.0)	≥ 1800	4.0	3.2
	C (5.0)		5.0	4.0

Water Absorption: ≤ 10 %

Drying Shrinkage: ≤ 0.06 %

Moisture Movement: ≤ 0.09 %

SAMPLING

A sample of 20 blocks shall be taken from every lot/consignment of 5000 blocks or part thereof from the same grade, size, and batch of manufacture.

(For further details please refer to the Standard)



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