

Technical Specification of Concrete Masonry Unit (Hollow Block)

Product : Hollow Block (390x100x190)mm
 Hollow Block (390x150x190)mm
 Hollow Block (390x200x190)mm

S.No.	Description	Asian Concrete			Standard References
					IS 2185(Part 1), NS 119
1	Dimension of Specimen				
	Length mm	390	390	390	As per Actual
	Width mm	100	150	200	As per Actual
	Height mm	190	190	190	As per Actual
2	Dimension Tolerance				
	Length mm	± 1mm	± 1mm	± 1mm	± 5mm
	Width mm	± 1mm	± 1mm	± 1mm	± 3mm
	Height mm	± 2mm	± 2mm	± 2mm	± 3mm
3	Surface Area				
	cm ²	390	585	780	As per Actual
4	Volume of Specimen				
	cm ³	7410	11115	14820	As per Actual
5	Minimum Compressive Strength N/mm²				
	28 Days	≥ 7.5	≥ 7.5	≥ 7.5	Minimum 5N/mm ²
6	Thickness of Face Shell				
	mm	28	28	28	(390x100x190)mm = 25mm Min (390x150x190)mm = 25mm Min (390x200x190)mm = 30mm Min
7	Thickness of Web				
	mm	28	28	28	(390x100x190)mm = 25mm Min (390x150x190)mm = 25mm Min (390x200x190)mm = 25mm Min
8	Water Absorption				
	(%)	< 8%	< 8%	< 8%	Maximum 10%
9	Drying Shrinkage				
	(%)	< 0.04	< 0.04	< 0.04	Maximum 0.04%
10	Moisture Movement				
	(%)	< 0.03	< 0.03	< 0.03	Maximum 0.03%
11	Dry Density				
	kg/m ³	1600	1600	1600	1600 kg/m ³
12	Lable and Marking				
	Concrete hollow block package shall be marked with the following information suitably:				
	a) Identification of the manufacturer,				
	b) Grade of hollow blocks, and				
	c) Date of manufacture.				
Note: The product should be adequately packed to identify above and also ensure products from manufacturer facility to the buyer facility during loading transport, unloading do not suffer any physical damage including chipping, cracking, deform or any other damage from actual product specifications					