

EVEREST FIBRE CEMENT BOARD



Technical Properties

Property	Unit	Standard	Value		
			Normal Board	Single R	Double R
Size	mm		3050 x 1220, 2745 x 1220, 2440 x 1220, 1830 x 1220 (Wall Boards) 2440 x 1220, 1830 x 1220 (Designer Wall Boards)		
Thickness	mm		Above 16mm	5mm – 16 mm	4mm
Standard Weight	Kg/m ²	ISO 8336/IS 14862	8.95 for 6mm	6.95 for 6mm	4.84
Edge Profile			Square, Beveled (Wall Boards) (Designer Wall Boards)	Square	Square
Apparent Density (Dry)	Kg/m ³	ISO 8336/IS 14862	> 1200	1158	1210
Impact Strength (Charpy Method)	Kg/m ²	ASTM D 256	6.9 for 8mm, 7.7 for 10mm	5.59	7.19
Minimum Modulus of Rupture (MOR) (at EMC)	Mpa, N/mm ²	ISO 8336/IS 14862	10	14.1	15.2
Minimum Modulus of Rupture (MOR) (in wet conditions)	Mpa, N/mm ²	ISO 8336/IS 14862	7	8.5	9.9
Screw Withdrawal Strength (Face)	N	IS 2380, Part XIV	1200	1290	1774
Thermal Conductivity at 50°C (Mean Temperature)	W/mK	ASTM C518	0.21	0.14	0.22
Linear Coefficient of thermal expansion	mm/mm/°C	ASTM C696	7.43 x 10 ⁻⁶		
pH Value			08/09/11		
Acoustic Insulation	dB	BS 2750	26	34 for 8mm	
Moisture Content (at EMC)			11 to 12 %		
Adhesion/Lamina Bond Strength	Mpa, N/mm ²	ASTM D 1037	0.9-1.0		

Manufacturing Specification - IS 14862 TYPE B Category III