

Everest Multipurpose Fibre Cement Boards

Everest Fibre Cement Boards are fibre cement building boards manufactured from a homogenous mixture of Portland cement treated cellulose fibres, quartz and other select mineral fillers. The cement acts as a hydraulic binder while the cellulose fibres get interlocked with the cement and quartz matrices, thereby making the boards stronger and more durable.

Everest Fibre Cement Board is a multipurpose cement board that can be used in a wide variety of segments like residential, commercial and industrial installations.

The applications range from false ceilings to partitions and panelling, door shutters to Flooring, back liners to prefabricated structures, and so on. The limit is what is set by your imagination.

Sizes and Thickness Available

Standard Sizes

Meter (m)	Feet (')
3.05 x 1 .22	10' x 4'
2.75 x 1 .22	9' x 4'
2.44 x 1 .22	8' x 4'
2.135 x 1 .22	7' x 4'
1.83 x 1 .22	6' x 4'
1.22 x 1 .22	4' x 4'
1.22 x 0 .61	4' x 4'
0.61 x 0 .61	2' x 4'

Thickness (mm)	4	5	6	8	9	10	12	14	16	18	20
Weight (Kg/m ²)	5.96	7.45	8.94	11.92	13.41	14.90	17.88	20.86	23.84	26.82	29.80

Applications

It is multi-purpose cement based flat sheet. Due to its excellent properties, it has found use in a wide array of applications.

Applications for Interiors	Applications for Exteriors
False Ceilings Partitions Paneling Door Shutters Flooring Back-liners	Prefabricated Structures Structural Glazing Back-lining Roof Tiles Substrate Soffit & Eaves Lining Skirting

Miscellaneous Applications

Pelmets, Blackboards, Tabletops, Benches, Duct covering, Beam or column encasing, Under-decking, Shelves / Cup Boards

Important Properties

Mechanical and General Properties

Properties	Unit	Standard	Value
Apparent Density (Dry)	Kg/m ³	ISO 8336	>1200
Standard Weight	Kg/m ²	ISO 8336	8.95 for 6 mm
Mechanical Characteristics	ISO	8336	
Minimum Modulus of Rupture (MOR): (at EMC)	MPA, N/mm ²	ISO 8336	10
Minimum Modulus of Rupture (MOR): (In wet conditions)	MPA, N/mm ²	ISO 8336	7
Impact Strength (Charpy Method)	KJ/m ²	ASTM D 256	6.9 for 8mm, 7.7 for 10mm
Adhesion/Lamina Bond Strength	MPA, N/mm ²	ASTM D 1037	0.9 - 1.0
Screw Withdrawal Strength (FACE)	N	IS 2380, part XIV	2000
Additional Characteristics			
Thermal Conductivity at 50°C (mean temperature)	W/m/°K	ASTM C 518	0.21
Linear coefficient of thermal expansion	mm/mm/°C	ASTM C 696	7.43 x 10 ⁻⁶
pH value	-		8-9
Acoustic Insulation	dB	BS 2750	26 dB for 6mm
Moisture Content (at EMC)			6 to 8%

Fire Resistance Properties

Everest Fibre Cement Board is a non - combustible material and qualifies for:

A. Early Fire Hazard Indices as per AS-1530 part III **	
PROPERTY	RESULT
Ignition Index	0*
Ignitability	0*
Heat Evolved Index	0*
Flame Spread Index	0*
Smoke Developed Index	0*

B. Resistance to Fire as per BS-476 **	
PROPERTY	RESULT
Combustibility	Class '0'-non combustible as per BS 476 Part IV
Ignitability	Class "P"-not easily ignited, as per BS 476 Part V
Fire Propagation Index	<3, as per BS 476 Part VI (Limit<12)
Surface Spread of flame	Class - 1, as per BS 476 Part VII
Specific Optical Density of Smoke	<5, ASTM E 662
UK Building Regulations	Class "0"

** AS-Australian Standard, BS-British Standard, ASTM-American Standard

Moisture resistance and durability Properties

Everest Fibre Cement Board has very good moisture resistance properties. Dimensional variations due to moisture do not exceed 0.8%. As soon as the board gets dry, it regains its original dimensions. The board has also been tested for durability tests, and confirms to IS-14862 and ISO: 8336.