



Technical Specifications

Sl. No.	Property	Unit	Standard/ Protocol	NFCB Board	Everest Boards (Exterior)	Visaka (V-Board)	Shera	Gypsum Boards
1	Length	mm		2440	2440	2440	2440	1829
2	Width	mm		1220	1220	1220	1220	1219
3	Thickness Range Starts	mm	ASTM C1185	3.2	4	4	4	9.5
4	Thickness (Maximum)	mm		35	18	18	35	15
5	Thickness Intervals			2mm	2mm	2mm	2mm	
6	Standard Weight (6mm)	Kg/m ²	ISO 8336 / IS 14862	8.4	7.2	7.2	8.1	10.6 (12mm)
7	Edge Profile			Square	Square	Square	Square	Recessed
8	Apparent Density (Dry)	Kg/m ³	ISO 8336 / IS 14862/ ASTM C1185	1400±50	1250	> 1250	1250-1350	850
9	Minimum Modulus of Rupture (MOR) (at EMC)	Mpa	ISO 8336 / IS 14862	≥15	12 - 14	10	≥9	NA
10	Minimum Modulus of Rupture (MOR) (in wet condition)	Mpa	ISO 8336 / IS 14862	No Data	8 - 9	>8	11.45	NA
11	Moisture Content (at EMC)		ASTM C1185	<15%	8 to 10 %	15.00%	<15%	7-10%
12	Adhesion/ Lamina Bond Strength	Mpa	ASTM D 1037	1.1	0.6 - 0.8	0.9	0.91	NA
13	Modulus of Elasticity	Mpa		≥5000	No Data	No Data	7100±500	NA
14	Water Absorption	%	ASTM C1185	≤35	≤35	31	≤35	NA
15	PH Value		ISO10390:2005	7	8	8	7	8.2
16	Water Tightness		ASTM C1186	Pass	Pass	Pass	Pass	Fail
17	Ignitibility		BS 476 Part 5	Class P	Class P	Class P	Class P	Class P
18	Fire Propagation Index		BS 476 Part 6	Pass	Pass	Pass	Pass	Pass
19	Surface Spread of Flame		BS 476 Part 7	Class 1	Class 1	Class 1	Class 1	Class 2
20	Reaction to Fire Classification			A1	No Data	No Data	A2 - s1 d0	A2
21	Freeze / Thaw Resistance			Pass	No Data	Pass	Pass	Fail
22	Warm Water Resistance			Pass	No Data	Pass	Pass	Fail
23	Heat / Rain Resistance			Pass	No Data	Pass	Pass	Fail
24	Soak / Dry Resistance			Pass	No Data	Pass	Pass	Fail
25	Weather Resistance			Yes	HD Boards	V+ Boards	Yes	No