



صديق للبيئة
Eco Friendly



مقاوم للصدمات
Impact Resistant



مقاوم للحريق
Fire Resistant



مقاوم للرطوبة
Moisture Resistant

TECHNICAL SPECIFICATION AS PER ASTM C1186

Sl. No.	Product Characteristics	Requirement	Performance
Dimensional Tolerances			
1	Thickness (mm) Up to 5 mm 5 mm to 10 mm 10 mm to 16 mm 16 mm to 20 mm	± 0.5 mm ±1.0 mm ± 1.3 mm ±1.5 mm	Within Standard
2	Length (mm)	±0.5% ± 6 mm (max)	Within Standard
3	Width (mm)	±0.5% ±6 mm (max)	Within Standard
4	Straightness of edges-mm/m	2.6(max)	1
5	Squareness of edges-mm/m	2.6(max)	2
Physical Properties :			
6	Category as per Standard	Type A	Type A
7	Grade as per MOR	Grade - III	Grade - III
8	MOR at Wet Condition (in MPa) Minimum	10	> 15
9	Density, Kg/m ³	1450±5%	1500±50kg
10	Water Absorption (48 hrs. Test) %	≤33%	20%
11	Moisture Movement (mm/m)	< 0.05	0.04
12	Freeze-Thaw Performance -Observation Strength Retention	No deleterious effect ≥50 Cycles	Internal report
13	Heat / Rain test -Observation Structural Alternation	No Visible Cracks ≥50 Cycles	Internal report
14	Warm Water Test -Observation Strength Retention	No deleterious effect ≥50 Cycles	Internal report
15	Surface Burning Characteristics - As per ASTM E 84-21a (9&18) mm Board	Flame spread Index = 0 Smoke developed Index ≤5	Passes the requirement