

Specifications and Standards

Properties (Physical & Mechanical)	Specified as per IS 12823 : 1990	Century Pre-laminated Particle Board
Length (mm)	2440 + 06/-0	2440
Width (mm)	1830 +03/-0	1830
Thickness (mm)	18 ± 5%	18.13
Straightness (mm)/Meter	2 mm	0.3 mm
Squareness (mm) Meter	2 mm	0.4 mm
Appearance	No A, B, C defects	Defect-free
Density Kg/ Cu M	500-900	750
Density Variation % (Max)	±10	8
Water absorption % (Max)		
a. 2 hours	15	9
b. 24 hours	30	24
Thickness swelling %, 2 hours (Max)	8	6.5
Modulus of rupture N/Sq. mm (Min) Average	11	15.5
Modulus of Elasticity N/ Sq. mm (Min) average	2500	2600
Tensile strength perpendicular to surface (Min), N/Sq. mm	0.3	0.45
Screw Withdrawal strength (Min) N		
a. Face	1250	1300
b. Edge	750	900
Moisture Content %	5-15	7.5
Abrasion Resistance (min) in no. of revolutions	450	475
Resistance to steam	Shall not show any sign of blister, delamination or change in surface finish	Conforms
Crack Resistance	Shall not show any sign of cracks or delamination	Conforms
Resistance to Cigarette Burns	Shall not leave any mark or stain	Conforms
Resistance to Stains	Shall not leave any mark or stain	Conforms

Note: Pre-Laminated Particle Board conforms to IS 12823 : 1990 Grade II, Type II

Availability

Product	Finish	Size	Thickness
Plain Particle Board	NA	9'x6'(2750 mm x 1830 mm) 8'x6'(2440 mm x 1830 mm)	9 mm, 12 mm, 17 mm, 18 mm, 25 mm
Pre-laminated Particle Board	Suede & Matt	9'x6'(2750 mm x 1830 mm) 8'x6'(2440 mm x 1830 mm)	9 mm, 12 mm, 17 mm, 18 mm, 25 mm

*** Century Pre-laminated Particle Boards can also be supplied in E1 grade and HMR grade.