



Technical Specifications (IS:4990:2010)

Dimension		BIS Requirement	Observation Values
1.	Length	2440 + 6 - 0	2442mm
2.	Width	1220 + 3 - 0	1222mm
3.	Thickness	12mm ± 5%	11.90mm
4.	Squareness	2mm/1000 mm	0.95mm
5.	Edge straightness	2mm/1000mm	0.50mm
Physical properties			
6.	Density	0.95	0.95
7.	Moisture contents	5 - 15%	7.50%
8.	Adhesion of plies (in dry state)	Some adherent fibre distributed more or less uniformly	Satisfactory
9.	Adhesion of plies (in wet state)	--- do ---	Satisfactory
10.	Glue shear strength (in dry state)	Avg. - 1350N Ind. - 1100N	1520N 1190N
11.	Glue shear strength (in wet state)	Avg. - 1000N Ind. - 800N	1260N 900N
12.	Tensile strength	Along the grain 480kg./cm ² Across the grain 340kg./cm ²	525kg./cm ² 370kg./cm ²
		Total 820kg./cm ²	895kg./cm ²
13.	Static bending strength along the grain M.O.E.	Avg. - 7500N/mm ² ind. - 6700N/mm ²	8420N/mm ² 6975/mm ²
	Across the grain M.O.E.	Avg. - 4000N/mm ² Ind. - 3600N/mm ²	4800N/mm ² 4000N/mm ²
	Along the grain M.O.R.	Avg. - 50 Ind. - 45	68N/mm ² 50N/mm ²
	Across the grain M.O.R.	Avg. - 30 Ind. - 27	47N/mm ² 31N/mm ²
14.	Retention of preservative (ACC)	12 kg/m ³	12.95 kg/gm ³
15.	Mycological test (a) Visual inspection (b) Glue shear strength © Adhesion of plies	(a) Show no separation sign Avg. - 1000 N Ind. - 800 N Adherent fibre distributed more or less uniformly	1260 N 910 Satisfactory



UNIFORM THICKNESS



100% CORE GAP FREE



M I R R O R LIKE FINISH



EVERY LAYER IS RESIN COATED