



TRIBECA PANEL INDIA LLP

IN HOUSE TEST REPORT

Date:-18-04-25

Name of the party :
Product : PLYWOOD
Grade : BWP
BRAND : PROGEN
Dimension : 2440mm x 1220mm x 19mm
Batch No. : TPLLP-042518

Sl. No	Tests	Prescribed Value	Results
1.	Dimensions: mm a) Length	+6 mm -0 mm	2440mm
	b) Width	+3 mm -0 mm	1222mm
	c) Thickness	± 5%	+1.35%
2.	Squareness	0.2	0.15
3.	Edge Straightness	0.2	0.13
4.	Workmanship & Finish	As per Clause 9	Satisfactory
5.	Moisture Content: %	Shall not exceed 20 percent	9.45%
6.	Termite & Borer Retardancy	As per clause of graveyard test two year	Adequate treatment no attack
7.	Mycological Test Adhesion of plies	(a) Show no appreciable signs of separation at the edges of the veneers (b) Average : 1000N Excellent & Min. pass Standards	Satisfactory 1415N Excellent
8.	Glue Adhesion in dry state i) Glue shear strength N	1350	1438
	a) Average b) Minimum individual ii) Adhesion of plies (Knife Test)	1100 Min. Pass Standard	1280 Pass Std.



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9.	Resistance to water (72 hours boiling) i) Glue shear strength N a) Average b) Minimum individual ii) Adhesion of plies (Knife Test)	1000 800 Min. Pass Standard	1190 970 Pass Std.
10.	Resistance to micro-organisms i) Glue shear strength N a) Average b) Minimum individual ii) Adhesion of plies (Knife Test)	1000 800 Min. Pass Standard	1145 950 Pass Std.

11.	Static Bending Strength MOR- Along the grain (N) MOR – Across the grain (N) MOE- Along the grain (N) MOE- Across the grain (N)	Avg. 40 Min. 36 20 18 5000 4500 2500 2200	Avg. 45 Min. 40 33 31 5269 4855 3858 3544
12.	Flammability	When tested as per IS 1734 (part 3) the time taken for second ignition shall not be less than 30 minutes	No second ignition up to 32.06 minutes.
13.	Flame penetration	When tested as per IS 1734 (part 3) the time taken for flame penetration shall not be less than 15 minutes for 6 mm thickness (for 19 mm thickness time should not be less than 48 minutes)	No flame appeared up to 53.40 minutes
14.	Rate of burning	When tested as per IS 1734 (part 3) the time taken to lose weight from 30% to 70% shall not to be less than 20 minutes	The time taken for the prescribe loss weight : 21.58 minutes
15.	Retention Of Preservative	Minimum – 12 kg/m ³	14.95 kg/m ³
16.	Tensile Strength	Parallel TO Grain – 42N	65N
		Right Angle To Grain -25N	31N
		Sum – 84.5N	108N
17.	Rolling Shear Strength	3 N/m ²	4.75 N/m ²
18.	Panel Shear Strength	12.5 N/m ²	14.62 N/m ²
19.	Modulus Of Rigidity	588 N/m ²	612.94 N/m ²
20.	Compressive Strength		
	(a) Along the Grain	35 N/m ²	39.24 N/m ²
	(b) Across the Grain	30 N/m ²	32.65 N/m ²
21.	Modulus Of Elasticity		
	(a) Along the Grain	Min. IND.- 6700 N/m ² AVG. -7500 N/m ²	7565.25 N/m ² 8635.16 N/m ²



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	(b)Across the Grain	Min.IND.- 3600 N/m2 AVG. - 4000 N/m2	4102 N/m2 4610.67 N/m2
22.	Modulus Of Rupture (a)Along the Grain	Min.IND.- 45 N/m2 AVG. -50 N/m2	49.25 N/m2 56.35 N/m2
	(b)Across the Grain	Min.IND.- 27 N/m2 AVG. -30 N/m2	36.03 N/m2 41.55 N/m2

PRODUCT TESTED AT OUR IN-HOUSE LAB FOUND SATISFACTORY RESULT & PASS TO IS:5509 , IS:710 , IS:10701

GENERAL MANAGER
FOR TRIBECA PANEL

