



# TRIBECA PANEL INDIA LLP

## IN HOUSE TEST REPORT

Date:-18-04-25

Name of the party :  
Product : PLYWOOD  
Grade : BWP  
BRAND : REDICA  
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 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	Satisfactory
		(b) Average : 1000N Excellent & Min. pass Standards	1415N Excellent
8.	Glue Adhesion in dry state		
	i) Glue shear strength N		
	a) Average	1350	1438
b) Minimum individual	1100	1280	
ii) Adhesion of plies (Knife Test)	Min. Pass Standard	Pass Std.	



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9.	Resistance to water (72 hours <sup>2</sup> 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	Avg.	Min.	Avg.	Min.
	MOR- Along the grain (N)	40	36	45	40
	MOR – Across the grain (N)	20	18	33	31
	MOE- Along the grain (N)	5000	4500	5269	4855
	MOE- Across the grain (N)	2500	2200	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 <sup>3</sup>		14.95 kg/m <sup>3</sup>	
16.	Tensile Strength	Parallel TO Grain – 42N		65N	
		Right Angle To Grain -25N		31N	
		Sum – 84.5N		108N	

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

GENERAL MANAGER  
FOR TRIBECA PANEL

