

## TECHNICAL SPECIFICATION OF AUSTIN PLATINUM PLUS (LLOYDS APPROVED FROM U.K.)

SL.NO.	TEST	SPECIFIED IN BS 1088	TEST RESULT										
01	Dimensional Tolerance	a) For $3 \leq t \leq 12$ mm thickness, tolerance in one panel : 0.6 mm Tolerance in nominal thickness: $+(0.2+0.03t)$ $-(0.4+0.03t)$ b) For $t > 12$ mm thickness, tolerance in one panel : 0.6 mm Tolerance in nominal thickness: $+(0.2+0.03t)$ $-(0.4+0.03t)$	With in limit										
02	Tolerance in nominal length and width	$\pm 3.5$ mm	1.0 mm										
03	Tolerance on squareness and edge straightness	1 mm/m	0.5										
04	Moisture Content	Shall be between 6% to 14%	8 to 10 %										
05	Quality of surface appearance	Shall not exceed the requirements of veneer for outer plies ( Face veneer)	With in limit										
06	Manufacturing defects	Shall not contain following defects : Open joints ( e.g. core gaps , overlaps and pleats, blisters, hollows, bumps and imprints) , roughness ( other than due to the irregular structure of the wood) , sanding through , foreign particles , defects in the edge of the panels ( e.g. due to sanding , sawing , missing wood ).	Free from any kinds of defects										
07	Bonding Quality	<table border="0"> <tr> <td>Mean shear Strength</td> <td>Mean appearance Wood failure</td> </tr> <tr> <td><math>0.2 \leq f_v &lt; 0.4</math></td> <td><math>\geq 80</math></td> </tr> <tr> <td><math>0.4 \leq f_v &lt; 0.6</math></td> <td><math>\geq 60</math></td> </tr> <tr> <td><math>0.6 \leq f_v &lt; 0.1.0</math></td> <td><math>\geq 40</math></td> </tr> <tr> <td><math>1.0 \leq f_v</math></td> <td>no requirement</td> </tr> </table>	Mean shear Strength	Mean appearance Wood failure	$0.2 \leq f_v < 0.4$	$\geq 80$	$0.4 \leq f_v < 0.6$	$\geq 60$	$0.6 \leq f_v < 0.1.0$	$\geq 40$	$1.0 \leq f_v$	no requirement	2.03
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$0.4 \leq f_v < 0.6$	$\geq 60$												
$0.6 \leq f_v < 0.1.0$	$\geq 40$												
$1.0 \leq f_v$	no requirement												
08	Density	Density of marine plywood at 12% moisture content shall be $> 500 \text{ Kg/m}^3$	815 $\text{Kg/m}^3$										



**B. S. PROGRESSIVE PVT. LTD.**

09	Knife Test	Pass Standard	Excellent
<b>Additional Tests on BS 1088 Marine Plywood as per IS 710</b>			
10	Glue shear strength in Dry State, N	1350	1680
11	Water Resistance Test, N	1000	1320
12	Mycological Teat, N	1000	1280
13	Tensile Strength, Kgf/cm <sup>2</sup>	845	1103
14	Modulus of Elasticity along grain, N/mm <sup>2</sup>	7500	10150
15	Modulus of Elasticity across the grain, N/mm <sup>2</sup>	4000	6975
16	Modulus of rupture along , N/mm <sup>2</sup>	50	73.5
17	Modulus rupture across grain, N/mm <sup>2</sup>	30	58.35



## B. S. PROGRESSIVE PVT. LTD.

CORPORATE OFFICE : 3A, POLLOCK STREET, KOLKATA - 700 001 PHONE : 91-33-2235-7922, 2221-5863 FAX : 91-33-2235-2932  
E-MAIL : INFO@AUSTINPLYWOOD.COM, WEBSITE : WWW.AUSTINPLYWOOD.COM

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