

# TEST ANALYSIS REPORT

(As Per IS:710-2010 )



<b>FACES</b>	Peeled Gurjan veneer Faces
<b>INNER LAYERS</b>	80% Gurjan & 20% Red Eucalyptus
<b>GLUE</b>	Phenol Formaldehyde (PF)



100% Borer & Termite Proof

Vacuum Pressure Treatment

<b>THICKNESS</b>	<b>6 MM</b>	<b>9 MM</b>	<b>12 MM</b>	<b>16 MM</b>	<b>19 MM</b>	<b>25 MM</b>
<b>NO. OF PLYS</b>	<b>5 PLY</b>	<b>7 PLY</b>	<b>9 PLY</b>	<b>11 PLY</b>	<b>13 PLY</b>	<b>17 PLY</b>

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TYPES OF TESTS	REFERENCE VALUE	OBSERVED VALUE
Dimensions,mm		
a)Length	+6,-0mm	+2
b)Width	+3,-0mm	+1
c)Thickness	5%	2%
Squareness,%	Max.02%	0.04%
Edge Straightness	Max.02%	0.06%
Workmanship &Finish	As per clause 7	Conforms
Moisture content, %	Not less than 5%	9.8%

<p>Glue adhesion ,strength in dry state</p> <p>ix) Glue adhesion strength , N</p> <p>a) Average</p> <p>b) Min Individual</p> <p>x) Adhesion of plies (Knife test)</p>	<p>1350 N/sq.mm</p> <p>1100 N/sq.mm</p> <p>Min.Pass standard</p>	<p>1415 N/sq.mm</p> <p>1370 N/sq.mm</p> <p>Exellent</p>
<p>Tensile strength , N/mm<sup>2</sup></p> <p>i) Parallel to face to face grain</p> <p>ii) Perpendicular to face to grain</p> <p>iii) Sum of the tensile strength</p>	<p>Min 42.0 N/sq.mm</p> <p>Min 25.0 N/sq.mm</p> <p>Min 84.50 N/sq.mm</p>	<p>54 N/sq.mm</p> <p>48 N/sq.mm</p> <p>102 N/sq.mm</p>
<p><b>Static bending strength</b></p> <p>Modules of Elasticity, N/mm<sup>2</sup></p> <p>i) Along the face grain ,</p> <p>a)Average</p> <p>b) Min . Individual</p> <p>ii) Across the face grain</p> <p>a) Average</p> <p>b) Min . Individual</p>	<p>7500 N/sq.mm</p> <p>6700 N/sq.mm</p> <p>4000 N/sq.mm</p> <p>3600 N/sq.mm</p>	<p>8100 N/sq.mm</p> <p>7185 N/sq.mm</p> <p>5250 N/sq.mm</p> <p>4950 N/sq.mm</p>
<p><b>Modules of Rupture</b></p> <p>N/mm<sup>2</sup></p> <p>i) Along the face grain ,</p> <p>a)Average</p> <p>b) Min . Individual</p> <p>ii) Across the face grain</p> <p>i) Average</p> <p>j) Min . Individual</p>	<p>50 N/sq.mm</p> <p>45 N/sq.mm</p> <p>30 N/sq.mm</p> <p>27 N/sq.mm</p>	<p>63 N/sq.mm</p> <p>52 N/sq.mm</p> <p>48 N/sq.mm</p> <p>42 N/sq.mm</p>
<p><b>Wet bending strength</b></p> <p>Modules of Elasticity, N/mm<sup>2</sup></p> <p>i) Along the face grain ,</p> <p>a)Average</p> <p>b) Min . Individual</p> <p>ii) Across the face grain</p> <p>i) Average</p> <p>j) Min . Individual</p>	<p>3750 N/sq.mm</p> <p>3400 N/sq.mm</p> <p>2000 N/sq.mm</p> <p>1800 N/sq.mm</p>	<p>5035 N/sq.mm</p> <p>4460 N/sq.mm</p> <p>4042 N/sq.mm</p> <p>2170 N/sq.mm</p>
<p>Modules of Rupture, N/mm<sup>2</sup></p> <p>i) Along the face grain ,</p> <p>a)Average</p> <p>b) Min . Individual</p> <p>ii) Across the face grain</p> <p>k) Average</p> <p>l) Min . Individual</p>	<p>25 N/sq.mm</p> <p>22 N/sq.mm</p> <p>15 N/sq.mm</p> <p>13 N/sq.mm</p>	<p>42.50 N/sq.mm</p> <p>32.80 N/sq.mm</p> <p>33 N/sq.mm</p> <p>26.50 N/sq.mm</p>
<p>Retention of Preservative Chemical KG/cbm (ACC Type)</p>	<p>Min 12Kg/cbm</p>	<p>12.9Kg/cbm</p>