



|                     |                                 |
|---------------------|---------------------------------|
| <b>FACES</b>        | Peeled Gurjan Veneer<br>Faces   |
| <b>INNER LAYERS</b> | 50% Gurjan & 50% Red Eucalyptus |
| <b>GLUE</b>         | Phenol Formaldehyde (PF)        |

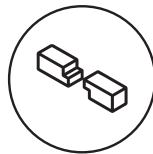
**RECOMMENDED APPLICATIONS**



Commercial Vehicles, Vans



Marine



Indoor Joinery



Indoor Furniture



DATA SHEET

Suntree Imperial BWP Grade Plywood is made from the combination of 50% Gurjan and 50% Eucalyptus wood and bonded with Phenol Formaldehyde BWP grade resin under high temperature and pressure. Manufactured with the revolutionary GLP technology, it is 100% borer proof and termite resistant. The core veneers of this BWP quality plywood is given chemical treatment in a Vacuum Pressure Impregnation (VPT) to ensure protection against wood destroying organism. It can withstand climatic variations & extreme weather changes that make it ideal for applications in external balconies, terraces, kitchens, bathrooms, and toilets, i.e., areas exposed to stress, moisture & dust. The product is also fit for usage in partitions, paneling, cavity flooring, kitchens & all other types of furniture, panel doors, cabins, false ceilings, etc. This Marine Plywood comes with IS:710-2010 and also with 35 years Warranty\*.

|                    |              |              |              |               |               |               |
|--------------------|--------------|--------------|--------------|---------------|---------------|---------------|
| <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> |

## SUNTREE IMPERIAL (IS:710)

### TEST ANALYSIS REPORT (As Per IS:710-2010 )

| TYPES OF TESTS   | REFERENCE VALUE  | OBSERVED VALUE   |
|--|--|--|
| Glue adhesion Strength<br>(after 72hr boiling)   | Min. Ind 800 N<br>Avg. 1000 N  | 1150 N<br>1240 N   |
| Moisture Content Test  | Not Less than 5 %<br>Not More than 15 %  | 8%   |
| Adhesive of Piles  | Minimum Pass<br>Standard   | Excellent  |
| Glue Shear Strength<br>(Dry State)   | Min. Ind. 1100 N<br>Avg. 1350 N  | 1350 N<br>1500 N   |
| Static Bending Strength (dry)<br>Modulus of Rupture<br>– Along the grain<br>– Across the grain<br>Modulus of Elasticity<br>– Along the grain<br>– Across the grain | Avg. 50 N/Sq.mm<br>Avg. 30 N/Sq.mm<br><br>Avg. 7500 N/Sq.mm<br>Avg. 4000 N/Sq.mm | 63 N/Sq.mm<br>38 N/Sq.mm<br><br>8295 N/Sq.mm<br>4150 N/Sq.mm |

|  |   |   |
|--|---|---|
| <p>Static Bending Strength (wet)<br/>Modulus of Rupture</p> <ul style="list-style-type: none"> <li>– Along the grain</li> <li>– Across the grain</li> </ul> <p>Modulus of Elasticity</p> <ul style="list-style-type: none"> <li>– Along the grain</li> <li>– Across the grain</li> </ul> | <p>Avg. 25 N/Sq.mm<br/>Avg. 15 N/Sq.mm</p> <p>Avg. 3750 N/Sq.mm<br/>Avg. 2000 N/Sq.mm</p> | <p>34 N/Sq.mm<br/>21 N/Sq.mm</p> <p>5440 N/Sq.mm<br/>2100 N/Sq.mm</p> |
| <p>Tensile Strength</p> <ul style="list-style-type: none"> <li>– Along the grain</li> <li>– Across the grain</li> <li>– Sum of tensile strength</li> </ul>   | <p>42.00 N/Sq.mm<br/>25.00 N/Sq.mm<br/>84.50 N/Sq.mm</p>                                  | <p>53.00 N/Sq.mm<br/>38 N/Sq.mm<br/>92.50 N/Sq.mm</p>                 |
| <p>Retention of Preservative<br/>Chemicals Kg/Cbm (CBB<br/>Type)</p>   | <p>Min 12kg/cbm</p>   | <p>12.9kg/cbm</p>   |



# SUNTREE<sup>®</sup>

Builds Confidence

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