

**PLY**  
**as it**  
**SHOULD**  
**BE**



**WIGWAM**<sup>®</sup>  
PLY AS IT SHOULD BE

# WHY WIGWAM

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WIGWAM, the new generation plywood aims to eradicate the disparity and exploitation in product – price metrics in plywood industry through its blend of global quality at local pricing. Stimulated by the Japanese technology, WIGWAM offers the unique Tetra cycle Advantage and Hexaforce power, which gives it sizzling strength, legitimate longevity, and high durability making it one of a kind in the Indian plywood industry. Made purely with Matply, WIGWAM panels are 180° flat, duly calibrated from both sides with all layers significantly tenderised.

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## MAKING PROCESS

### Core Veneer Selection, Tenderization

The veneer grade used in plywood affect its structural performance. Wigwam plywood is made from A or B grade veneers which increases its engineering properties by one stress grade. Each core veneer then tenderized to achieve 180 degree flat, bowing free panel.

### Made with Matply : Core Composing & Arrangement

Wigwam plywood is made with Matply process where all layers are joined by the core composer which minimize the core joints and gaps in the plywood. The veneer arrangement and thickness of individual veneers within plywood is critical in determining dimensional stability and the structural performance characteristics of strength and stiffness. Cross lamination of veneer layers restricts the veneer movement across the grain due to moisture and temperature changes. Thus providing Wigwam plywood dimensional stability under moisture content and temperature changes.

**Tetracycle Advantage:** Once the composition is ready then it passes through Tetracycle process which is basically four time pressing of the composition at various stage. Every composed bundle of core veneers passes through 4 times pressing during various stages of manufacturing. Tetra cycle advantage offer 'Absolute Bonding, Flatness and dimensional stability to the panel.



### Both Side Calibration

Generally in plywood panels, the outer most veneers have the greatest influence on strength and stiffness. Increasing the thickness of the face veneers will increase the strength and stiffness characteristics in the face grain direction. Thin face veneers with thicker underlying cross band veneers will tend to give the plywood more equal strength and stiffness characteristics in both directions.



with 700% Cash Back

The WIGWAM VISOR range confirms online factory verification and monitoring for stiffness and strength of plywood. The WIGWAM VISOR BWP STRUCTURAL GRADE plywood has a density of 750-850 kg/cbm with bending strength of 6000 N/square mm.

Prepared with 62% solid content PF resin, the composed veneer-face pre pressed panel is double hot pressed at 165°C heat and at 20 kg/sq cm specific pressure. WIGWAM VISOR BWP STRUCTURAL plywood is preservative treated with most trusted vacuum pressure impregnation to make it insect attack proof. It is versatile, reliable and predictable offers a guaranteed performance.

WIGWAM VISOR is a SUPER PREMIUM GRADE product that conforms to IS 710 (marine grade), IS 5509 (fire retardant grade) and IS 10701 (structural grade) all together. It uniquely offers 'Low formaldehyde emission levels for healthy living conforming to E0 standards of European union.

#### HIGHLIGHTS:

- Super Premium Grade Product
- Lesser tendency of spark and ignite
- Slow burning
- Decreased chances of fire to spread over the surface of plywood
- Low flammability and lesser smoke generation
- Higher flame penetration time
- Specially formulated fireproofing chemicals infusions
- Only ply that confirms to standards – IS 10701, IS 5509, IS 710
- Both side calibrated & double surface sanding for superior surface finish
- Pre composed core and panels to reduce gaps
- Borer & Termite Proof
- High Density of 850 kg/m<sup>3</sup>
- Fire Resistance of 60 min
- Life Time Guarantee
- 700% Cash Back

#### APPLICATIONS:

All exterior and interior wood work, any type of furniture, can be compared like a solid plank with no weather driven bending tendency, It can be used in Silos, Sheathing, Rail and Ship Containers, Plywood web beams, Stress skin panels, Ships, Bus coaches, Cinema Halls, High rise buildings, Restaurants, Railway Coaches, Vehicle Bodies in Boiler House, Kitchen, Inner Roof Wall Linings, Exhibition Stalls, Public places, Offices, Homes etc.

**SIZES :** 8x4, 7x4

**THICKNESS :** 6 mm, 9 mm, 12 mm, 16 mm, 19 mm, 25 mm





**Savitri Woods India Pvt. Ltd.**  
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An ISO 9001, 14001 & OHSAS 18001 Certified Company

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