

PLY
as it
SHOULD
BE



FABRICATE™

HDP & MDP



E1 European
Emissions
Standard.

First Indian Brand To Offer
ONLY CALIBRATED PLY

VISION



“To serve ethical, ecological, efficient, and economical plywood / wood panel solutions and to become the premium partner of choice in the communities we operate and serve.”





About Us

It all started twenty two years ago when the founders decided to venture into supply of core veneers and other raw materials to the plywood and panel industry. With an innate focus on supreme quality, ethical, transparent business processes and a firm commitment to deadlines helped the company gain adequate attention and precious faith. Since its inception, the company has been steadily growing, regularly widening, diversifying and serving the plywood and panel industry in India. Producing defect free panel. which is strong, durable, safe and able to withstand all adversities, has gradually made Wigwam, a preferred partner for a large number of interior designers, realtors and builders. Being located amidst the fertile terrestrial and an ultra-suitable habitat for Eucalyptus, geographical advantage supports the company to avoid substantial transportation costs which eventually translated into the efficient and economical product pricing.

Accredited with certifications like BIS (ISI), CARB, FSC, ISO, CE, OHSAS & with technical support from IPIRTI (Indian Plywood Industries Research and Training Institute), Wigwam acquires its logs from the sustainably manage plantation and forests to reciprocate its ecological responsibility, legal accountability and adherence to global benchmarks. All our Fire Retardant grade products conforms to E0 formaldehyde emission class, making them safest for interior/exterior use.





From the Director's Desk

|| Quality and Product development is a collaborative effort of WIGWAM team. They are manufactured with an intent to extend the durability across generations. **||**

What if, your plywood could live as long as its specified life?
What if, any plywood manufacturer could always produce 100% unerring ply?
What if, your plywood would never reflect any wearing off signs?

Well, WIGWAM Ply promises all of that and much more.

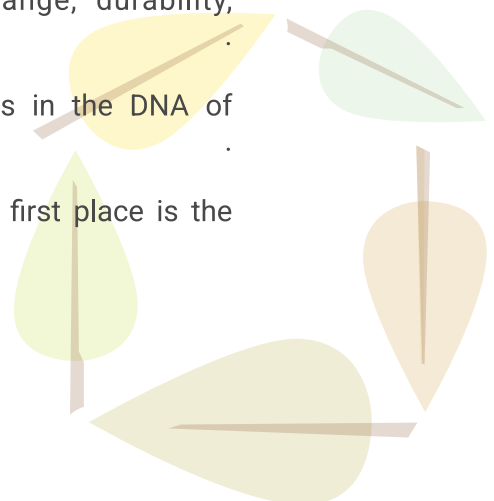
In a market, which is flooded with varied and lucrative guarantee options, WIGWAM, the new genre plywood and veneer offers authenticity in its approach and product quality. WIGWAM is a new generation, top-of-the-line, do-it-right-first-time and every-time plywood brand, which believes in serving its consumers with a quality, which does not need any first aid ever - yes, it is possible with the international assembly line.

We have significantly invested in our infrastructure, hired the best of the technicians and wood engineers, who work on an automated global assembly line with ultra-modern technology in managing logs, peeling, veneer management, drying, plywood lay-up, pressing and panel management.

Consumer priority is foremost with WIGWAM's genuinely crafted products which promises long-life loyalty in range, durability, sustainability & service.

Do it right first time is the philosophy which runs in the DNA of WIGWAM products.

We sincerely believe that offering excellence in the first place is the best business plan.



WHY WIGWAM FABRICATE

As It Should Be

A Fabricator is responsible for designing and manufacturing various kinds of furniture according to the specifications of the client / its own. This requires precision work and every other product has to be similar / identical to the previous one. Hence modernised automated machines are used by original equipment manufacturers for faster and uniform product output.

For this they need a totally dependable and truly Calibrated Plywood Base. This is when WIGWAM FABRICATE steps in as the most desired plywood as it should be.

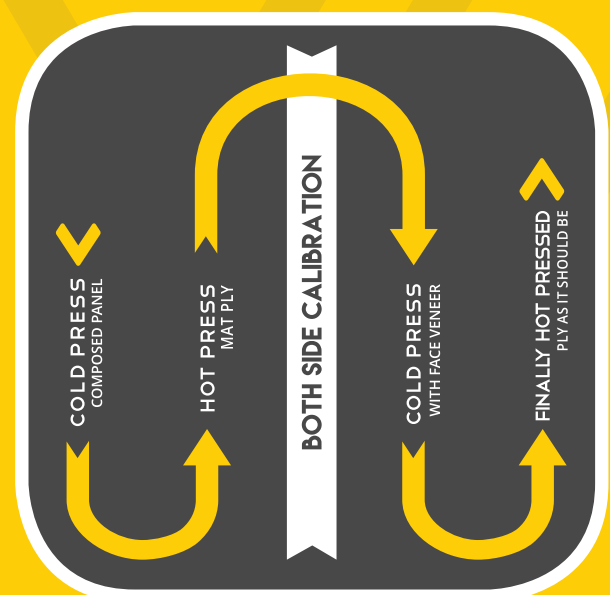
WIGWAM FABRICATE is manufactured responsibly to extend a genuine plywood range for the masses at affordable prices with ecological concern. It is made by using the highest quality of Eucalyptus and selected species of imported hardwoods. Eucalyptus is one of the known natural anti-termite wood across the globe, that is why eucalyptus timber is chosen as the core raw material for all WIGWAM product range. Any other wood when superficially treated with termiticide cannot withstand termite, the way eucalyptus does.

PRODUCT MAKING PROCESS

We ensure to tenderise the core veneer to its extreme to avoid any weakening wrinkles, internal bubbles, warping up, de-Lamination, curving, and bending. The WIGWAM modern day processes and technology ensures that the tenderising of the core veneer is done to its peak to have the deepest foundation for the most durable produce.

The neoteric assembly line is powered with TetraCycle Advantage® where the fixtures pass through the following four pressing stages of compression, which makes it stay sturdy, intact, and with minimal wear and tear, even after decades.

The 4-stage life-cycle gives the plywood an integrated and bonded core with a superbly smooth silky crust. The pre-pressing technology evenly distributes the moisture in the entire sheet ensuring that the final product is of the superior grade. This process injects equal strength and stiffness properties which makes it ideal for applications which demand high strength, stability and rigidity, with a mild pinch of flexibility.



CERTIFICATIONS AND **ACCREDITATIONS**

WIGWAM is enabled with all the required, relevant, and latest certifications which support it to operate, thrive and remain strong in the plywood solutions industry.

IS 303: BIS Specifications for Moisture Resistant Plywood & Boiling Water Proof Plywood.

IS 710: BIS Specifications for Boiling Water Proof Marine Grade Plywood.

IS 1659: BIS Specifications for Block Boards.



IS 2202 (Part-1): BIS Specifications for Water Proof Flush Doors,

IS 1328: BIS Specifications for Veneered Decorative Plywood.

IS 5509: BIS Specifications for Fire Retardant Plywood.

IS 10701: BIS Specifications for BWP Structural Grade Plywood.



Wigwam HDP & MDP Ply is certified with E1 standards of emissions, almost close to E0. With low VOC emissions, Wigwam HDP & MDP Ply is safe for Interior use.



ISO 9001:2015 : Quality Management System for meeting customer expectations and delivering consumer satisfaction.

ISO 14001:2015: Environmental Management System.



OHSAS 18001:2007: Occupational Health and Safety Management System.



European Conformity [CE] Certified.



Certified by Forest Stewardship Council [FSC], an international non-profit multi-stakeholder body which promotes responsible management of the world's forests.



Accredited by Indian Green Building Council [IGBC], a non-profit, CII body which promotes, rates and certifies organisations for their green processes & endeavours.



In Technical Support From: INDIAN PLYWOOD INDUSTRIES RESEARCH & TRAINING INSTITUTE.

A SUSTAINABLE DEVELOPMENT

Plantation Grown Timber

Committed to sustainable forest management, Wigwam utilises Eucalyptus and Poplar, a sustainable resource that is 100% plantation grown. Wigwam also procure tropical hardwood and other hardwood timber species for structural and decorative plywood needs from certified sources from countries abroad.

E0 Emission Rating

Our products are CARB certified and meet the highest global safety standards.
Our Structural Grade Plywood is India's first SUPER E0 plywood with <0.1 mg/L formaldehyde emission, conforming to Japanese F★★★★ standards.
Our Products are certified to E0 & E1 — the lowest emission ratings obtainable in India.
With low VOC and minimal formaldehyde emissions, our products are exceptionally safest for all interior applications.

Indigenous Product Range

Wigwam is the pioneer in the industry to introduce White Recon Faced Plywood (Engineered Face Veneer) — a sustainable alternative to tropical hardwood, manufactured from responsibly sourced native plantation timber.

OUR INITIATIVES

Respecting Our Resources

We have long recognised the value of our resource and have therefore worked towards utilising the Veneer to its fullest potential. For instance, every log is peeled in two stage process, thus maximising the recovery of high grade veneer. Once peeled, the veneer is carefully graded (and sometimes re-graded) so that it can be used in the highest application possible.

Utilization of Wood Waste

Inevitably, wood waste is generated in the plywood production process. To counter this issue we have installed a heat energy plant, allowing us to convert our wood waste into energy. The heat energy plant is a clean and efficient method of virtually eliminating wood waste whilst at the same time providing energy for other parts of the production process.

Solar Energy

Recent advances in solar energy technology together with pressures in energy cost and availability, led Wigwam to implement a solar energy system. The advantage of having significant roof space allowed us to install 360 Solar panels, with room to expand the system in future.

Environmental Licences

Wigwam adheres to an environmental licence issued by the Govt. of India. This, together with our Integrated Environmental Management System (IEMS), ensures that activities conducted onsite are managed in an Environmentally conscious manner.

Future Improvements

Minimising our environmental impact is a continual work in progress. We are frequently investigating and evaluating methods of improving our environmental performance.

RANGE OF PRODUCTS



FABRICATE™

HIGH DENSITY PLYWOOD(HDP)

- **BWP GRADE PLYWOOD** Boiling Water Proof **IS : 303**
- **MR GRADE PLYWOOD** Moisture Resistant **IS : 303**



FABRICATE™

MEDIUM DENSITY PLYWOOD(MDP)

- **BWP GRADE PLYWOOD** Boiling Water Proof **IS : 303**
- **MR GRADE PLYWOOD** Moisture Resistant **IS : 303**



FABRICATE™

- **100% IMPORTED PINE BLOCK BOARDS** BWP Grade **IS : 1659**
- **100% IMPORTED PINE BLOCK BOARDS** MR Grade **IS : 1659**
- **SELECTED TIMBER BLOCK BOARDS** BWP Grade **IS : 1659**
- **SELECTED TIMBER BLOCK BOARDS** MR Grade **IS : 1659**

HIGH DENSITY PLYWOOD Boiling Water Proof Grade **IS : 303**

Wigwam Fabricate HDP BWP Plywood is made with complete 'precomposed core & panels' and 180 degree flat layers', every second wood veneer is glued with specifically developed resin of 60.0% solid content through a 8 feet long glue spreader. **Wigwam Fabricate HDP BWP Plywood** is designed for high-value creative needs and premium class wood working. It is manufactured from 'all hardwood veneers' which are phase wise dried to bring down to a uniform moisture of 6%. With single stage Phenol Formaldehyde Resin formula, each composing goes through **Tetracycle Process** of tetra pressing. It is pressed at an extremely high temperature of 160 Degree Celsius and 450 lbs line pressure per square centimeter. As a result, **Wigwam Fabricate HDP BWP Plywood** can withstand any extreme weather conditions, fluctuation temperature and humidity, alternate wetting and drying and other adversaries which are the prerequisites for plywood used in Marine applications and Furniture/woodworking needs around coastal areas. Being passed through Vacuum Pressure impregnation process, it guarantees protection against borers & termites.



Sizes : 8x4

Thickness: 6mm, 9mm, 12mm, 16mm, 19mm, 25mm

HIGHLIGHTS :

- **Boiling Water Proof (BWP) Grade**
- **Immune to Termites**
- **Immune to Microbes**
- **E1 Certified - Formaldehyde Emission < 0.9 mg/L**
- 100% Hardwood made
- Highly stable, Warp resistant
- Zero core defects and increased strength
- High Density of 700-750 kg/m³
- Borer & Fungal Resistant
- Made with Mat Ply
- Both side calibrated
- Pre composed core and panels to reduce gaps
- Double surface sanding for Superior surface finish.

15
YEARS
GUARANTEE

HIGH DENSITY PLYWOOD Moisture Resistant Grade **IS : 303**

Wigwam Fabricate HDP MR Plywood is most sited panel for interior furniture and may be used at moderate moisture-prone areas. It is made with 100% Hardwood veneer peeled from environmentally favouring, farm-grown EUCALYPTUS trees. The all hardwood **Wigwam Fabricate HDP MR Plywood** range uses natural extenders and hardening agents inside that does not skip any wood pores thus provide uniform bonding. The bonding process is adequately done using highly viscous Melamine fortified resin with a solid content of 54.0%. It is **4 times pressed** under the temperature of 130 degree Celsius and extreme pressure to compress the hardwood veneer and resin pack to obtain consistent quality High-Density, **Wigwam Fabricate HDP MR Plywood**.

Sizes : 8x4

Thickness: 6mm, 9mm, 12mm, 16mm, 18mm, 25mm

HIGHLIGHTS :

- **Moisture Resistant (MR) Grade**
- **E1 Certified - Formaldehyde Emission < 0.9 mg/L**
- 100% Hardwood made
- High Density of 700-750 kg/m³
- Highly stable, Warp resistant
- Zero core defects and increased strength
- Borer & Fungal Resistant
- Pre composed core and panels to reduce gaps
- Double surface sanding for Superior surface finish
- Made with Mat Ply
- Both side calibrated

15
YEARS
GUARANTEE



MADE WITH
MATPLY

**BOTH SIDE
CALIBRATED
PANEL**

tetra CYCLE
ADVANTAGE

FORMALDEHYDE EMISSION LESS THAN 0.9
E1
CERTIFIED

MEDIUM DENSITY PLYWOOD Boiling Water Proof Grade IS : 303

Wigwam Fabricate MDP BWP Plywood is a high performance product, manufactured in India's most advanced factory equipped with ultra modern machines from Europe and Taiwan. It is 4 times pressed under the controlled heat of 150 Degree Celsius and extreme pressure to compress the veneer-resin pack, also to obtain superior quality in every piece of **Wigwam Fabricate MDP BWP Plywood**.

Made with high grade 'Treated and Tenderised' wood veneers from matured plantation timbers. The completely Calibrated Wigwam plywood, It is India's most dimensionally stable and amazingly durable plywood, which ensures satisfaction for entire woodworking needs for a designer and the house owner. **Wigwam Fabricate MDP BWP Plywood** is treated with specially formulated chemicals, enabling every inch of it protected from



Sizes : 8x4

Thickness: 6mm, 9mm, 12mm, 16mm, 19mm, 25mm

HIGHLIGHTS :

- Boiling Water Proof (BWP) Grade
- E1 Certified - Formaldehyde Emission < 0.9 mg/L
- Immune to Microbes
- Medium Density of 600-650 kg/m³
- Highly stable, Warp resistant
- Zero core defects and increased strength
- Borer & Fungal Resistant
- Pre composed core and panels to reduce gaps
- Both side calibrated
- Made with Mat Ply
- Double surface sanding for Superior surface finish

**10
YEARS
GUARANTEE**



MADE WITH
MATPLY

BOTH SIDE
CALIBRATED
PANEL

tetraCYCLE
ADVANTAGE



MDP MR Plywood

MEDIUM DENSITY PLYWOOD Moisture Resistant Grade IS : 303

Made with high grade Treated and **Tenderised wood veneers** from matured plantation timber, each panel is crafted with extreme precision and care. **Wigwam Fabricate MDP MR Plywood** is **Tetra pressed** at 130 Degree Celsius and extreme pressure to compress the veneer-resin pack, also to obtain superior quality plywood. The bonding process is done using highly viscous Melamine fortified resin with a solid content of 54.0% which keeps its layers strongly bonded for a lasting affair. To ensure maximum protection, it is treated with unique and specially formulated chemicals for protecting it completely from Termites and Borers. Absolutely calibrated **Wigwam Fabricate MDP MR Plywood** is dimensionally stable and amazingly durable and ensures satisfaction for the entire woodworking needs according to the designers & architects.

Sizes : 8x4

Thickness: 6mm, 9mm, 12mm, 16mm, 18mm, 25mm

HIGHLIGHTS :

- **Moisture Resistant (MR) Grade**
- **E1 Certified - Formaldehyde Emission < 0.9 mg/L**
- Medium Density of 600-650 kg/m³
- Highly stable, Warp resistant
- Zero core defects and increased strength
- Pre composed core and panels to reduce gaps

- Borer & Fungal Resistant
- Both side calibrated
- Made with Mat Ply
- Double surface sanding for Superior surface finish

10
YEARS
GUARANTEE

100% Imported Pine Wood Boiling Water Proof Grade IS : 1659

WIGWAM FABRICATE BWP GRADE PINE Block board is made with selected **PINE** wood timber brought from New Zealand/Australia where pine trees are available through sustainable forestry. All the Pine planks are impregnated with insecticides & fungicides. After treatment, the planks are kiln seasoned till it achieve the required balancing characteristics.

Thoroughly supervised by **IPIRTI & FRI** trained technical graduates and with cutting edge technology of gap-free composing of block boards, **WIGWAM** team ensures **WIGWAM FABRICATE BWP PINE Block boards** are completely flat, undulation free and of uniform thickness.

The **COMPOSING PROCESS** ensures Minimum gap, no overlapping and brings no corrugation hence eliminating the chances

HIGHLIGHTS:

- **100% Imported Pine** ➤ **Boiling Water Proof** ➤ **Immune to Microbes** ➤ **Microbiological Decay Resistant**
- **Made with Mat Ply** ➤ **Both side calibrated** ➤ **Double surface sanding for Superior surface finish**

Sizes : 8x4

Thickness : 19mm, 25mm



MADE WITH
MATPLY

**BOTH SIDE
CALIBRATED
PANEL**

tetraCYCLE
ADVANTAGE

IMMUNE TO
MICROBES

E1
CERTIFIED

SELECTED TIMBER Boiling Water Proof IS : 1659

WIGWAM FABRICATE BWP GRADE SELECTED TIMBER Block Board confirms all specifications of **IS:1659**. The unique composing process attributes a super composed compactness.

It is made with selected wood timber 'POPLAR'. The inside block core is prepared with seasoned wood battens, bonded with **BWP** Grade (PF) resin that can endure extreme weather conditions and withstand alternate drying and wetting.

It undergoes a special process of treatment not only from outside but also from inside to develop resistance against micro-organisms. The wood battens are dipped and seasoned to enhance borer resistance and to make it dimensionally stable thus making it very appropriate for high-quality applications.

HIGHLIGHTS:

- **Boiling Water Proof** ➤ **Immune to Microbes** ➤ **Microbiological Decay Resistant**
- **Made with Mat Ply** ➤ **Both side calibrated** ➤ **Double surface sanding for Superior surface finish.**

Sizes : 8x4

Thickness : 19mm, 25mm

100% Imported Pine Wood Moisture Resistant Grade **IS : 1659**

WIGWAM FABRICATE MR GRADE PINE Block board is made with selected **PINE** wood timber brought from New Zealand/Australia where pine trees are available through sustainable forestry. All the Pine planks are impregnated with insecticides & fungicides. After treatment, the planks are kiln seasoned till it achieve the required balancing characteristics.

Thoroughly supervised by **IPIRTI & FRI** trained technical graduates and with cutting edge technology of gap-free composing of block boards, **WIGWAM** team ensures **WIGWAM FABRICATE MR PINE Block boards** are completely flat, undulation free and of uniform thickness.

The **COMPOSING PROCESS** ensures Minimum gap, no overlapping and brings no corrugation hence eliminating the chances of opening up, chipping or any weakening of layers inside the block board when cut.

HIGHLIGHTS:

- **100% Imported Pine** ➤ **Moisture Resistant** ➤ Microbiological Decay Resistant
- **Made with Mat Ply** ➤ **Both side calibrated** ➤ Double surface sanding for Superior surface finish

Sizes : 8x4

Thickness : 19mm, 25mm

**10
YEARS
GUARANTEE**

**MADE WITH
MATPLY**
**BOTH SIDE
CALIBRATED
PANEL**
tetra CYCLE
ADVANTAGE

**E1
CERTIFIED**
**10
YEARS
GUARANTEE**
SELECTED TIMBER Moisture Resistant Grade **IS : 1659**

WIGWAM FABRICATE MR GRADE SELECTED TIMBER Block Board confirms all specifications of **IS:1659**. The unique composing process attributes a super composed compactness.

It is made with selected wood timber 'POPLAR'. The inside block core is prepared with seasoned wood battens, bonded with **MR Grade (UMF)** resin that can endure normal/humid atmospheric conditions.

It undergoes a special process of treatment not only from outside but also from inside to develop resistance against micro-organisms. The wood battens are dipped and seasoned to enhance borer resistance and to make it dimensionally stable thus making it very appropriate for all dry-interior applications.

HIGHLIGHTS:

- **Moisture Resistant** ➤ Microbiological Decay Resistant
- **Made with Mat Ply** ➤ **Both side calibrated** ➤ Double surface sanding for Superior surface finish.

Sizes : 8x4

Thickness : 19mm, 25mm




WIGWAM®
PLY AS IT SHOULD BE

FABRICATE™



Savitri Plyboard India Pvt. Ltd.

Developing wood to the next level

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