

PLY
as it
SHOULD
BE


WIGWAM®
PLY AS IT SHOULD BE

FABRICATE™

PRIME

&

CLASSIC

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.

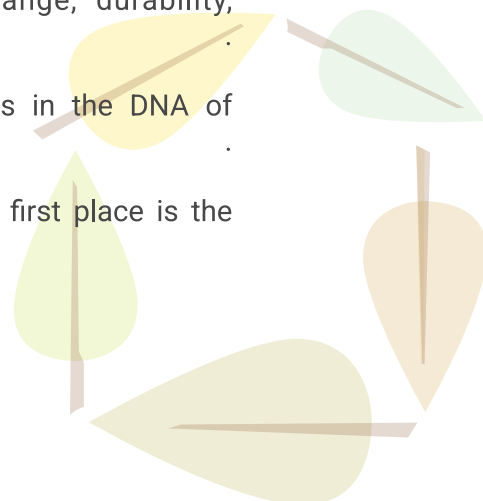
In a market, which is flooded with varied and lucrative guarantee options, WIGWAM, the new genre plywood and veneer offers authenticity in its approach and product quality. WIGWAM is a new generation, top-of-the-line, do-it-right-first-time and every-time plywood brand, which believes in serving its 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.

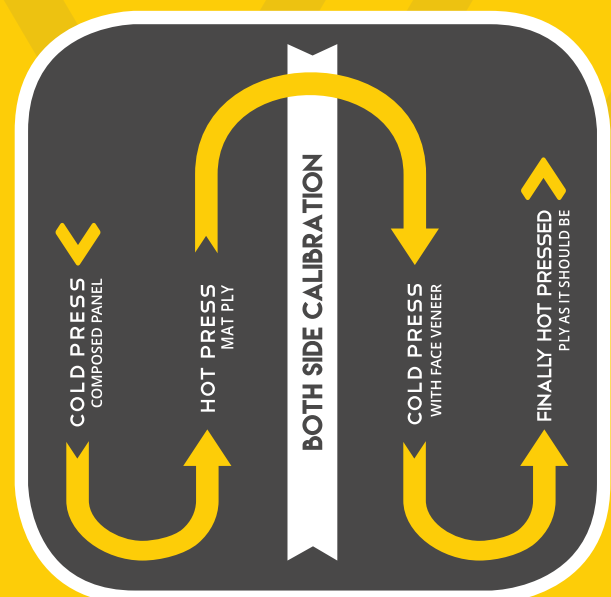
WIGWAM FABRICATE is manufactured responsibly to extend a genuine plywood range for the masses at affordable prices with ecological concern. It is made by using the highest quality of Eucalyptus and selected species of imported hardwoods. Eucalyptus is one of the known natural anti-termite wood across 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 PRIME & CLASSIC Ply is certified with E1 standards of emissions, almost close to E0. With low VOC emissions, Wigwam MR 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.

RANGE OF PRODUCTS



- **BOILING WATER PROOF** BWP Grade **IS : 303**



- **MR GRADE PLYWOOD** Moisture Resistant **IS : 303**
- **100% IMPORTED PINE BLOCK BOARDS** BWP Grade **IS : 1659**
- **100% IMPORTED PINE BLOCK BOARDS** MR Grade **IS : 1659**



- **BOILING WATER PROOF** BWP Grade **IS : 303**
- **MOISTURE RESISTANT** MR Grade **IS : 303**
- **SELECTED TIMBER BLOCK BOARDS** BWP Grade **IS : 1659**
- **SELECTED TIMBER BLOCK BOARDS** MR Grade **IS : 1659**



FABRICATE
PRIME
MARINE

IS:303 - Boiling Water Proof (BWP)

Wigwam Fabricate Prime Marine is a high-performance plywood, manufactured in India's most advanced unit, equipped with state-of-the-art machines from Europe and Taiwan. Each sheet undergoes a four-step pressing process under carefully controlled heat at 150°C and extreme pressure, ensuring the compression of the veneer-resin pack. This meticulous process guarantees exceptional quality in every piece. **Wigwam Fabricate Prime Marine** Plywood is crafted using high-grade, 'Treated and Tenderised' mix of softwood and hardwood veneers sourced, from mature plantation timber. This fully calibrated plywood is one of India's most dimensionally stable and highly durable options, providing unmatched satisfaction for both designers and homeowners for all their woodworking needs. Treated with specially formulated chemicals, every inch of **Wigwam Fabricate Prime Marine** Plywood is resistant against borers and fungals, ensuring long-lasting performance and reliability. Fabricate Prime is a top-tier plywood product, produced in one of India's most advanced facility, utilising cutting-edge machinery from Europe and Taiwan. The plywood undergoes a four-stage pressing process, where it is exposed to 150°C heat and high pressure, ensuring optimal compression of the veneer-resin layers. This process results in unparalleled quality and durability in every sheet. **Wigwam Fabricate Prime Marine** Plywood is made from premium 'Treated and Tenderised' wood veneers, sourced from mature plantation timber. This precision-calibrated plywood stands out as India's most dimensionally stable and exceptionally durable option, meeting the woodworking demands of both designers and homeowners. Infused with specially designed chemicals.



IMMUNE TO
MICROBES



Sizes : 8x4

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

HIGHLIGHTS :

- **Boiling Water Proof (BWP) Grade**
- **Immune to Microbes**
- **Borer & Fungal Resistant**
- **15 Years Guarantee**
- **E1 Certified - Formaldehyde Emission < 0.9 mg/L**
- **Zero core defects and increased strength**
- **Medium Density of 600-680 kg/m³**
- **Both side calibrated**
- **Made with Mat Ply**
- **Double surface sending for superior finish**
- **Pre-composed core & panels to reduce gaps**





IS:303 - Moisture Resistant (MR)

Crafter from high-quality processed veneers sourced from mature plantation timber, each panel of **WIGWAM Fabricate Prime MR Plywood** is meticulously manufactured with precise care. This Plywood undergoes a tetra pressing process at 130°C under extreme pressure, ensuring optimal compression of the veneer-resin layers for superior quality. The bonding is reinforced with a highly viscous melamine-fortified resin containing 51% solid content, ensuring strong, long-lasting adhesion between layers. For maximum protection, the plywood is treated with specially formulated chemicals that provide complete defence against borers and fungals. The fully calibrated **WIGWAM Fabricate Prime MR Plywood** is dimensionally stable, exceptionally durable, and meets the exacting standards of designers and architects for all woodworking applications. Each panel of **WIGWAM Fabricate Prime MR Plywood** is made from premium conditioned and refined wood veneers sourced from mature plantation timber, crafted with the utmost precision. The plywood undergoes a Tetra pressing process at 130°C under intense pressure, ensuring perfect compression of the veneer-resin layers for superior quality. The bonding is done using a highly viscous, melamine-fortified resin with 51% solid content, which guarantees strong, long-lasting adhesion. To provide maximum protection, the plywood is treated with specially formulated chemicals, offering complete resistance against termites and borers. Fully calibrated for precision, **WIGWAM Fabricate Prime MR Plywood** is dimensionally stable, highly durable, and meets the comprehensive woodworking needs of designers and architects.

Sizes : 8x4

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



HIGHLIGHTS :

- **Moisture Resistant Grade**
- **Borer & Fungal Resistant**
- **15 Years Guarantee**
- **E1 Certified - Formaldehyde Emission <0.9mg/L**
- **Zero core defects and increased strength**
- **Medium Density of 600-680 kg/m3**
- **Both side calibrated**
- **Made with Mat Ply**
- **Double surface sending for superior finish**
- **Pre-composed core & panels to reduce gaps**



WIGWAM Fabricate Prime BWP GRADE PINE Block Board is crafted from sustainably sourced pine timber from New Zealand or Australia. The selected pine planks undergo a rigorous treatment process, including impregnation with insecticides and fungicides, followed by kiln seasoning to achieve optimal moisture content.

Under the watchful eye of IPIRTI and FRI-trained technical experts, WIGWAM employs advanced gap-free composing technology to create block boards that are remarkably flat, free from undulations, and maintain consistent thickness. The meticulous composing process ensures minimal gaps, no overlaps, and eliminates corrugations, resulting in a superior product with exceptional quality and durability.

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



WIGWAM Fabricate Prime MR GRADE is constructed from carefully selected pine timber sourced sustainably from New Zealand or Australia. Each pine plank undergoes a thorough treatment process, including impregnation with insecticides and fungicides, followed by kiln seasoning to achieve optimal moisture content. Under the guidance of IPIRTI and FRI-trained technical experts, WIGWAM utilizes advanced gap-free composing technology to create block boards that are exceptionally flat, free from undulations, and maintain consistent thickness. The meticulous composing process ensures minimal gaps, no overlaps, and eliminates corrugations, effectively preventing the board from opening up, chipping, or experiencing internal layer weakening 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



FABRICATE CLASSIC BWP Plywood

Crafted in India's state-of-the-art factory, **WIGWAM Fabricate CLASSIC BWP Plywood** is a premium product engineered for exceptional performance. Manufactured using advanced European and Taiwanese machinery, this plywood undergoes a rigorous four-step pressing process under intense heat (140°C) and pressure to ensure superior quality and consistency. Constructed from high-quality wood veneers sourced from mature plantation timbers, **WIGWAM Fabricate Classic BWP Plywood** offers unmatched dimensional stability and durability. Its precision calibration and superior construction make it the ideal choice for discerning designers and homeowners seeking a reliable and long-lasting plywood solution. Additionally, **WIGWAM Fabricate Classic BWP Plywood** is treated with specially formulated chemicals, ensuring its integrity and longevity.



Sizes : 8x4

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



HIGHLIGHTS :

- **Boiling Water Proof (BWP) Grade**
- **Immune to Microbes**
- **Borer & Fungal Resistant**
- **7 Years Guarantee**
- **E1 Certified - Formaldehyde Emission <0.9mg/L**
- **Zero core defects and increased strength**
- **Low Density of 540-560 kg/m³**
- **Both side calibrated**
- **Made with Mat Ply**
- **Double surface sending for superior finish**
- **Pre-composed core & panels to reduce gaps**



FABRICATE CLASSIC MR Plywood

Crafted with meticulous precision from premium-grade & treated wood veneers sourced from mature plantation timbers, each **Wigwam Fabricate Classic MR Plywood** panel is a testament to quality craftsmanship. The plywood undergoes a rigorous tetra-pressing process at 130 Degree Celsius and extreme pressure to compress the veneer-resin pack, resulting in exceptional strength and durability.

The bonding process utilises a highly viscous melamine-fortified resin with a solid content of 51.0%, ensuring strong and lasting adhesion between the plywood's layers. To provide maximum protection against termites and borers, **Wigwam Fabricate Classic MR Plywood** is treated with specially formulated chemicals, safeguarding its integrity and longevity. Renowned for its dimensional stability and remarkable durability, **Wigwam Fabricate Classic MR Plywood** is the ideal choice for designers and architects seeking a reliable and high-performance plywood solution that meets the most demanding woodworking requirements.

Sizes : 8x4

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

HIGHLIGHTS :

- **Moisture Resistant Grade.**
- **E1 Certified - Formaldehyde Emission <0.9mg/L**
- Low Density
- Highly stable, Warp resistant.
- Zero core defects and increased strength.
- Pre-composed core & panels to reduce gaps.
- Made with Mat Ply.
- Both side calibrated.
- Double surface sanding for Superior surface finish.





CLASSIC BWP Selected Timber Block Board

Selected Timber Block Board meets all the specifications outlined in IS:1659, offering superior compactness through its advanced composing process. Crafted from premium Poplar timber, the block core is made from seasoned wood battens, bonded with BWP-grade phenol formaldehyde (PF) resin, which is designed to withstand extreme weather conditions, including cycles of wetting and drying. The board undergoes a specialized treatment process, both internally and externally, to ensure strong resistance against microorganisms. The wood battens are fully treated, dipped, and seasoned to enhance their resistance to borers and ensure dimensional stability, making this block board ideal for high-quality and demanding applications.

HIGHLIGHTS:

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

Thickness : 19mm, 25mm

Sizes : 8x4



CLASSIC MR Selected Timber Block Board

SELECTED TIMBER Block Board adheres to all the specifications outlined in IS:1659, and its exceptional composing process results in a remarkably compact structure.

Crafted from carefully selected poplar wood timber, the board features an interior core composed of seasoned wood battens bonded with MR Grade (UMF) resin, ensuring its durability in both normal and humid atmospheric conditions.

To enhance its resistance against microorganisms, the board undergoes a specialised treatment process that penetrates both its exterior and interior. The wood battens are dipped and seasoned to improve borer resistance and dimensional stability, making this block board an ideal choice 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





ATTRIBUTES



TETRA CYCLE ADVANTAGE

We have worked in close collaboration with the Japanese Plywood Industry and the Tetra cycle formula is inherited from them after stringent tests and quality checks for two years. The technology aptly addresses the Indian market requirements from plywood. Tetra Cycle Advantage is the latest in the plywood industry in India.

Tetra cycle process actually drives every composed bundle of wood veneers under 4 times pressing zone, that is very unique and first time in India. Tetra Cycle advantage offers 'Absolute bonding, Absolute flatness, Absolute dimensional stability and Absolute durability'.

IMMUNE TO MICROBES

IMMUNE TO MICROBES

The specially developed Microbicides impregnated into the surface of the plywood creates a long-lasting shield against harmful pathogens. The coated surfaces have shown 99.9% efficacy against Viruses, bacteria, fungi, and algae pathogens. It has been tested and certified under Antiviral Efficacy Test as per international standards (ISO 21702: 2019). by Biotech Testing Services, Mumbai



BOTH SIDE CALIBRATED PANEL

Every piece of panel manufactured at WIGWAM plant is made by Mat Ply Process. After 2nd stage pressing, the Mat Panel's thickness tolerance within each plywood sheet is brought down to 0.50 mm.

Afterwards, every WIGWAM plywood sheet is further Calibrated on both sides through automatic surface sanding machine from Taiwan, where thickness tolerance is reduced to +/- 0.15 mm within every panel, be it Plywood, Blockboards or Flush door.



Wigwam MR Ply is certified with E1 standards of emissions, almost close to E0. With lowest VOC emission, Wigwam MR Ply is safest for Interior use.



MADE WITH MAT PLY PROCESS

WIGWAM panels have the Matply edge where all the layers are joined by core composer which inserts added strength and permanency to it.

The Matply power also adds convenience and customization. Just put your favourite top layer on it and the WIGWAM products are ready for your desired use. It is ideal for kitchen and furniture applications.



HEXAFORCE

WIGWAM product range of Block boards are powered by HEXAFORCE, where uniformly sized battens are automatically composed after being glued on all 6 surfaces.

The precisely arranged batten layer is further pressed along frames to form complete MAT Block board.

HEXAFORCE provide 'Minimum gap composing', 'High Compactness' and unmatched strength to WIGWAM block boards.



ALL LAYERS TENDRISED

The manufacturing process tenderizes all the layers of the core veneer to its peak, which keeps the WIGWAM plywood free from any weakening wrinkles, internal bubbles, warping up, de-lamination, curving and bending.



180° FLAT

The manufacturing processes and checks are designed in such a stringent way that the WIGWAM panels conceive and keep its 180° flatness always, even when faced with extreme conditions too.



FABRICATETM



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Developing wood to the next level

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