TerraLam
PLYWOOD

Fire Retardant

Boiling Waterproof

100% Gapless

Lifetime Warranty

100% Phenolic Resins

High Screw & Nail Holding Capacity

Termite & Borer Proof

Vacuum Pressure Treatment

Fire Retardant

Fully Composed Core & Panels

Fully Calibrated

TerraLam
PLYWOOD

C-120/A - New Focal Point, Mehta Road,
Amritsar, Punjab, India, 143001
terraplywood@gmail.com

TerraLam
PLYWOOD

The Next Generation of

Plywood

Melamine Plywood & Laminated Plywood



Ready-to-use Premium Plywood
Eliminating on-site labor and
Maximizing project efficiency

TerraLam PLYWOOD

RAW MATERIAL
- Made from carefully selected imported hardwood timber to ensure high strength and durability.
- High quality gurjan face veneer gives strength and sleek look to the plywood.
- Made from all composed full sheet veneers in all layers, ensuring a robust and well-structured plywood.

BWP GRADE HIGH SOLID POLYMER ADHESIVES
- Use of 100% BWP grade, high solid Phenolic polymer ensures better bonding strength and execution boiling waterproof properties.

WEATHER DURABILITY
- Longer conditioning system of raw material pressed material provides high durability against all weather conditions ensuring longevity and wrap-free performance. This maintains the ideal moisture balance, preventing warping or delamination.

4X TER-BO Kill Technology
- Four-stage treatment of veneer, resin, glue and final coating of plywood for 100% protection against the terminals and borers

E0-EMMISSION
- Zero emission of free formaldehyde by use of scavengers in the resin, contributing to a healthier indoor environment.

FULLY CALIBRATED
- Uniform thickness across the sheet through calibration process ensures even load distribution, enhancing the appearance and performance of furniture.

ADVANCED MACHINERY
- Better workmanship combined with advanced machinery and cutting-edge technology ensures the production of high-quality Plywood that meets stringent industry standards. 100% in-house manufacturing

EXTENDED TIMELINES
- Carpenters spend days manually pasting paper or mica, one piece at a time. The creates bottlenecks in project delivery

LABOR DEPENDENCY
- High Skilled labor costs are wasted on basic surface application instead of core assembly and high-value finishing.

QUALITY INCONSISTENCY
- Manual application leads to air bubbles, uneven bonding, and adhesive stains that ruin the premium feels of the interiors.

SITES MESS & WASTE
- On-site lamination creates dust, toxic adhesive fumes, and significant material wastage during manual trimming.

PERFECT FINISH
- Achieve a bubble-free, industrial-grade finish that manual work simply cannot replicate.

50% FASTER
- Cut Project execution time in half by skipping the manual lamination phase entirely

30% SAVINGS
- Reduce total project cost by eliminating separate laminate purchases and pasting labor.

TECHNICAL SPECIFICATIONS

GRADE	BWP Grade, Marine Grade(IS: 7 10)
SIZES OF PLYWOOD	2400 X 1220mm
LENGTHS	Upto + 2 to 4 mm of specified length
WIDTHS	Upto + 1 to 2 mm of specified length
AVAILABLE THICKNESS	6mm | 9mm | 12mm | 19mm
THICKNESS TOLERANCE	Full thickness (Exact thickness as specified)
CALIBRATIONS	Both Sides Calibrated
RESIN USED	BWP Grade High Solid Phenolic Polymer
PRESERVATIVE TREATMENT	Four-stage preservative treatment (Veneer, Resin, Adhesive & Surface Treatment)
EDGE STRAIGHTNESS	0.20%
SQUARENESS	0.20%
DENSITIES	700 TO 720 kg/m^3
CORE GAP, OVERLAP	100% used fully composed sheet to avoid gaps & overlap.
WATER ABSORPTION	(24 HRS)< 1 - 2% (48 HRS)< 2 - 3 %
SCREW HOLDING CAPACITY	>265 kg
NAIL HOLDING CAPACITY	>155kg
GLUE ADHESION STRENGTH (dry state)	(Average) > 1590N (Individual) > 1310N Adhesion of Plies (Knife Test)- Excellent
BOILING WATER RESISTANCE TEST (AFTER 72HRS BOILING)	[Wet State] Average > 1190 N [Individual] > 1020 N Adhesion of Piles [knife Test] - Excellent
MYCOLOGICAL TESTS	Glue Shear Strength > 1070 N Adhesion of Plies - Excellent
RETENTION OF PRESERVATIVE CHEMICALS KG/MM^3	Observed Value - 12.5 kg/m^3 (VPT Treatment)
TENSILE STRENGTH	-Along the Grain > 58 N/mm^2 -Across the Grain > 39 N/mm^2 -Sum of Tensile > 97 N/mm^2

SMART CHOICE: KNOW YOUR PRODUCT

PLYWOOD QUALITY	TERRALAM	OTHER BRANDS	NON-BRANDED
PRESERVATIVE TREATMENT FOR BORER & TERMITE	4 Stages	2 Stages	Single Stage
VACCUM PRESSURE TREATMENT ALL OF VENEERS	✓	×	×
FIRE RETARDANT	✓	Limited Products	×
BOILING WATERPROOF FOR ALL PROODUCTS	✓	Limited Products	Very Few Prooducts
LIFETIME WARRANTY FOR ALL PRODUCTS	✓	Select Few Products	No lifetime Products
GURJAN FACE	✓	Select Few Products	×
CALIBRATED PLY	✓	Select Few Products	Non-Calibrated
ALL PRODUCTION IN COMPANY'S OWN FACTORY	100%	Select Few Products	Very Few Products or Job Work
E0 FORMALDEHYDE EMISSION COMPLIANCE	✓	Select Few Products	×

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LIFETIME WARRANTY FOR ALL PRODUCTS	✓	Select Few Products	No lifetime Products
GURJAN FACE	✓	Select Few Products	×
CALIBRATED PLY	✓	Select Few Products	Non-Calibrated
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