

Royalé Touché PROMAXX (IS: 710)

is a renowned product known for its superior quality and durability. It is specially designed for applications that require protection to moisture, water, and other environmental factors. With E-0 Compliance and fire retardant properties, **Royalé Touché PROMAXX** is an all in one plywood in its true sense.



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.



HIGH SOLID POLYMER ADHESIVES

- Use of 100% BWP grade, high solid Phenolic polymer ensures better bonding strength and excellent boiling waterproof properties.



STRENGTH AND DURABILITY

- The plywood is constructed using an advanced cross-bonding technology, which enhances its strength and durability. The veneers are sourced from select hardwood species to ensure the plywood's stability and stand in the boiling water testing.



WEATHER DURABILITY

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



4-TIMES PRESSING SYSTEM

- Manufactured using four times pressing to ensure equilibrium moisture content level within the glue line for enhanced stability in the sheet. This maintains ideal moisture balance by maintaining its structural stability under varying humidity levels, thus preventing warping or delamination.



4X TER-BOKill Technology

- Four-stage treatment of veneer, resin, glue and final coating of plywood for 100% protection against the termites and borers



HEALTHIER ENVIRONMENT

- 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

SMART CHOICE:
KNOW YOUR PRODUCT BEFORE PURCHASE

PLYWOOD QUALITY	ROYALE TOUCHE	OTHER BRANDS	NON- BRANDED
PRESERVATIVE TREATMENT FOR BORER & TERMITE	4 Stages	2 Stages	Single Stage
VACUUM PRESSURE TREATMENT ALL OF VENEERS	✓	✗	✗
FIRE RETARDANT	✓	Limited Products	✗
BOILING WATERPROOF FOR ALL PRODUCTS	✓	Limited Products	Very Few Products
LIFETIME WARRANTY FOR ALL PRODUCTS	✓	Select Few Products	No Lifetime Warrenty
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	✗

TECHNICAL SPECIFICATIONS

GRADE	BWP Grade,Marine Grade
SPECIES USED	Diptocarpus spp. & Selected Hardwood Timber
FACE VENEER	Both Side Gurjan (Diptocarpus spp.)
CORE VENEER	100% Selected Hardwood Timber
SIZES OF PLYWOOD	2440 X 1220mm & 2140 X 1220mm
LENGTHS	up to + 2 to 6 mm of specified length
WIDTHS	Up to + 1 to 3mm of specified width
THICKNESS TOLERANCE	± 0.25 % of specified thickness
FACE VENEER THICKNESS	0.30MM
WHETHER CALIBRATED	Both Sides Calibrated
RESIN USED	High Solid BWP grade Phenolic Polymer
PRESERVATIVE TREATMENT	Four-stage preservative treatment.
EDGE STRAIGHTNESS	0.20%
SQUARENESS	0.20%
DENSITIES	700 TO 720 Kg/cm ³
CORE GAP, OVERLAP	100% used fully composed sheet to avoid gaps
WATER ABSORPTION	(24 HRS)< 1 -2 % (48 HRS)< 2 - 3 %
SCREW HOLDING CAPACITY	> 2000 N
NAIL HOLDING CAPACITY	> 500 N
GLUE ADHESION STRENGTH (dry state)	Glue Shear Strength - > 1400 N Adhesion of Plies (knife Test) - Excellent
WATER RESISTANCE (AFTER 72 HRS BOILING)	Glue Shear Strength > 1080 N Adhesion of Plies - 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
STATIC BENDING STRENGTH	• Modulus Of Rupture (dry State) - Along The Grain > 54 N/mm² - Across The Grain > 34 N/mm² • Modulus Of Elasticity (dry State) - Along The Grain > 7900 N/mm² - Across The Grain > 4400 N/mm² • Modulus Of Rupture (wet State) - Along The Grain > 28 N/mm² - Across The Grain > 19 N/mm² • Modulus Of Elasticity (wet State) - Along The Grain > 4090 N/mm² - Across The Grain > 2360 N/mm²
TENSILE STRENGTH	- Along The Grain > 57 N/mm² - Across The Grain > 41 N/mm² - Sum Of Tensile > 88 N/mm²