

**THE  
RIGHT  
CHOICE  
FOR EVERY  
SPACE**





# CRAFTED TO PERFECTION



The perfect plywood is not one-size-fits all. Choosing the right plywood is an integral part of construction requirements or renovation ideas- it is a right investment in home/work-space making. Every panel of plywood must be chosen consciously to fit the distinct need of the room. Whether it's design or application, picking the right plywood ensures tenacity, strength, durability & long lasting aesthetics.

K Board takes pride in offering a wide range of perfectly crafted plywood for every construction need. From kitchens, bathrooms & living rooms to office spaces, K Board has a catalogue of solutions that are efficient, cost-effective and a perfect fit for your creations.





# K-BOARD PLY®

## Lifelong Relationship

Over the past 25 years, K Board Ply has carved out a respect, demand and trust within the timber products & plywood manufacturing industry by offering high quality wood substitute solutions for interior applications. A successful venture of the renowned parent company, Kunnathan Wood Products, K Board Ply began its operations in Perumbavoor, the timber industry capital of Kerala, by setting up one of South India's largest plywood manufacturing facilities, equipped with the most modern machinery, research & development department and advanced technology, K Board Ply has consistently produced products of excellence in terms of application readiness, strength, durability & elegance.

In addition, K Board Ply offers a wide range of meticulously engineered, incomparably superior products fit for every interior construction requirement. Each of our product is ISI certified, BWR/BWP grade, Marine plywood, 100% Gurjan core and uses timber sourced from Malaysia, New Zealand, Burma & the USA



# PLYWOOD

The Plywood from K Board is manufactured, cut and processed in our state-of-the-art facilities. K Board offers a comprehensive range of plywood solutions in various sizes & types whether decorative or structural, all complying to the highest international standards. Sustainably sourced and adhering to international quality standards ensured by in-house R&D team, K Board products provide exceptional uniformity making it ideal for building & construction projects.

## 4 PRESS TECHNOLOGY

After fervent R&D, K Board has introduced the 4Press Technology to ensure the most effective, strong & durable plywood products. Through this technology, the different layers of veneers are glued together, layer by layer, under high temperature and pressure to create strong & rigid panels that last long.

## MARINE GRADE PLYWOOD

K Board offers, highest quality marine ply, that resists cracking, shrinking, splitting or powdering in humid or wet situations thanks to its high strength. K Board offers different levels of Marine grade plywood to suit the requirement & location in which the plywood is applied.

## APPLICATIONS OF K BOARD PLYWOOD

- » Cabinets
- » Fencing
- » Ready-to-paint surface for constructions.
- » Floors, Walls & Roofs for house construction
- » Wind Bracing Panels
- » Vehicle Internal Body Work
- » Packages & Boxes
- » Concrete Shuttering Panels
- » Plywood Wall Sheathing
- » Floors subjected to heavy wear in various buildings & factories
- » Playground equipment
- » Furniture signs & fences for demanding outdoor advertising
- » Musical Instruments
- » Sports Equipments

# PLATINUM

- » 4 PRESS TECHNOLOGY
- » MADE FROM 100% IMPORTED GURJAN TIMBER
- » BORER & POWDER PROOF
- » AN EXCELLENT & AFFORDABLE OPTION FOR FURNITURE
- » HIGH-COMPRESSION BONDED WITH CONCENTRATED PF RESIN
- » ENVIRONMENT FRIENDLY
- » GUARANTEED FOR LIFE AGAINST ANY MANUFACTURING DEFECTS



## Properties

Adhesive	:	Unextended Phenol Formaldehyde Resin (IS:848)
Moisture Content (%)	:	8-12
Glue Shear Strength (GSS) (kgf)	:	> 145
GSS Wet Test (kgf)	:	> 120
GSS Mycological Test (kgf)	:	> 120
Specific Gravity	:	Approx. 0.80
Water Absorption (%)	:	< 5
Gap, Split, Overlap	:	Nil
Pre-pressing	:	Flat Panel/balanced Surface
Face Thickness	:	Thicker Face
Veneer to Veneer Ratio	:	Max 1:2



ACCURATE



★★★  
**500%**  
**LIFE TIME**  
★ **WARRANTY** ★  
**CALIBRATED**  
★ **PLY** ★

ISI 710



CERTIFIED

- » FULL CORE FULL PANEL
- » 100% CALIBRATED PLY
- » WARRANTY FOR TERMITE
- » 4 PRESS TECHNOLOGY
- » BONDED WITH PHENOLIC FORMALDEHYDE
- » BORER & POWDER PROOF
- » IMPORTED GURJAN HARDWOOD
- » EACH SHEET IS FULLY WEATHER-PROOF
- » DIMENSIONALLY STABLE, IDEAL FOR PARTITIONS, PANELING, DOORS & WINDOW PANELS

Properties	
Adhesive	: Unextended Phenol Formaldehyde Resin (Is:848)
Moisture Content (%)	: 8-12
Glue Shear Strength (Gss) (Kgf)	: > 145
Gss Wet Test (Kgf)	: > 120
Gss Mycological Test (Kgf)	: > 120
Specific Gravity	: Approx. 0.80
Water Absorption (%)	: > 5
Gap, Split, Overlap	: Nil
Pre-pressing	: Flat Panel/Balanced Surface
Face Thickness	: Thicker Face
Veneer to Veneer Ratio	: Max 1:2]000

GOLD

- » 4 PRESS TECHNOLOGY
- » BONDED WITH PHENOLIC FORMALDEHYDE
- » BORER & POWDER PROOF
- » EACH SHEET IS FULLY WEATHER-PROOF
- » DIMENSIONALLY STABLE, IDEAL FOR PARTITIONS, PANELING, DOORS & WINDOW PANELS

#### Properties

Adhesive	:	Unextended Phenol Formaldehyde Resin (Is:848)
Moisture Content (%)	:	8-12
Glue Shear Strength (Gss) (Kgf)	:	> 145
Gss Wet Test (Kgf)	:	> 120
Gss Mycological Test (Kgf)	:	> 120
Specific Gravity	:	Approx. 0.80
Water Absorption (%)	:	< 5
Gap, Split, Overlap	:	Nil
Pre-pressing	:	Flat Panel/Balanced Surface
Face Thickness	:	Thicker Face
Veneer to Veneer Ratio	:	Max 1:2



SILVER

- » FULL CORE FULL PANEL
- » 100% CALIBRATED PLY
- » 4 PRESS TECHNOLOGY
- » 20 YEAR WARRANTY
- » BWP GRADE MARINE PLY
- » GUARANTEED DIMENSIONAL STABILITY
- » BORER & POWDER PROOF



Properties		
Adhesive	:	Unextended Phenol Formaldehyde Resin (IS:848)
Moisture Content (%)	:	8-12
Glue Sheer Strength (GSS) (kgf)	:	>145
GSS Wet Test (kgf)	:	>120
GSS Mycological Test (kgf)	:	>120
Specific Gravity	:	Approx. 0.80
Water Absorption (%)	:	>5
Gap, Split, Overlap	:	Nil
Pre-Pressing	:	Flat Panel/ Balanced Surface
Face Thickness	:	Thicker Face
Veneer to Veneer Ratio	:	Max 1:2





# ENCORE



- » FULL CORE FULL PANEL
- » 100% CALIBRATED PLY
- » 4 PRESS TECHNOLOGY
- » BORER & POWDER PROOF
- » BOILING WATER RESISTANT PLYWOOD
- » MINIMUM CHANCE OF CORE GAP
- » PERFECT FOR INTERIORS & FURNISHING
- » EXCEPTIONAL STRENGTH & DURABILITY

## Properties

Moisture Content (%)	: 6-12
Glue Shear Strength (Gss) (Kgf)	: > 135
Gss Wet Test (Kgf)	: > 110
Gss Mycological Test (Kgf)	: > 100
Adhesion Of Piles	: Excellent
Water Absorption (%)	: < 5
Screw Holding Capacity (Kg)	: > 275
Nail Holding Strength	: > 150





MR

- » 4 PRESS TECHNOLOGY
- » 100% CALIBRATED PLY
- » PERFECT FOR INTERIORS & FURNISHING
- » EXCEPTIONAL STRENGTH & DURABILITY
- » MANUFACTURED FROM 100% HARDWOOD

#### Properties

Moisture Content (%)	:	6-12
Glue Shear Strength (Gss) (Kgf)	:	> 135
Gss Wet Test (Kgf)	:	> 110
Gss Mycological Test (Kgf)	:	> 100
Adhesion Of Piles	:	Excellent
Water Absorption (%)	:	< 5
Screw Holding Capacity (Kg)	:	> 275
Nail Holding Strength	:	> 150







# PRIME

- » DOUBLE PRESS TECHNOLOGY
- » IDEAL FOR INTERIORS
- » BORER & POWDER PROOF
- » HIGHEST INTERNAL DENSITY
- » MORE PLIES FOR MORE STRENGTH
- » GLUE LINE PROTECTION
- » UNIFORM STRENGTH
- » GUARANTEED THICKNESS

## Properties

Moisture Content (%)	: 5-12
Glue Shear Strength (Gss) (Kgf)	: Na
Gss Wet Test (Kgf)	: Na
Gss Mycological Test (Kgf)	: Na
Adhesion Of Piles	: Excellent
Water Absorption (%)	: < 5
Screw Holding Capacity (Kg)	: > 200
Nail Holding Strength	: > 100





# CALIBRATED PLY

- » IDEAL FOR MANUFACTURE OF MODULAR KITCHEN
- » 16mm CALIBRATED PLY
- » MORE PLIES FOR MORE STRENGTH
- » GLUE LINE PROTECTION
- » IDEAL FOR INTERIORS
- » UNIFORM STRENGTH
- » GUARANTEED THICKNESS
- » ECO-FRIENDLY

Properties	MR Grade Plywood
Moisture content (%)	: 5-15
Glue Shear Strength (GSS) (kgf)	: NA
GSS Wet Test (kgf)	: NA
GSS Mycological Test (kgf)	: NA
Adhesion of Piles	: Excellent
Water Absorption (%)	: <5
Screw Holding Strength (kg)	: >200
Nail Holding Strength	: >100

**MATPLY**  
TECHNOLOGY

ISI 710



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# BLOCK BOARD

- » 100% HARDWOOD
- » WOOD BASED VENEER PANELS OF SOFTWOOD STRIPS CORE
- » IDEAL FOR INTERIORS LIKE DOORS, TABLES, SHELVES, PANELING & PARTITION WALLS, ETC.

Properties		
Moisture Content (%)	:	8-12
Specific Gravity	:	0.65
Adhesion Of Piles	:	Excellent
Water Absorption (%)	:	< 5
Screw Holding Capacity (Kg)	:	> 200
Nail Holding Strength	:	> 100
Modulus Of Elasticity (N/mm2)	:	> 6000
Modulus Of Rupture (N/mm2)	:	> 60

ISI 710



CERTIFIED



# SHUTTERING PLYWOOD

- » MADE OF PHENOLIC FORMALDEHYDE RESIN
- » IDEAL FOR CONSTRUCTION TO HOLD CONCRETE MATERIALS WHILE IT SETS
- » WORKS WELL WITH BEAMS, COLUMNS, FLOORING & SLAB FORMWORK, VERTICALLY INCLINED CONCRETE WORK ETC.
- » HIGH ABSORPTION RESISTANCE AT VARYING TEMPERATURES
- » BWP GRADE
- » AVAILABLE IN 25kg, 30kg, 34kg.

## Properties

Moisture Content (%)	: 8-12
Glue Shear Strength (Gss) (Kgf)	: > 150
Gss Wet Test (Kgf)	: > 135 (Tested After 72 Hours Boiling)
Gss Mycological Test (Kgf)	: > 125
Specific Gravity	: 0.80
Adhesion Of Piles	: Excellent
Water Absorption (%)	: < 5
Modulus Of Elasticity (N/mm2)	:
A) Parallel To Face	: > 8500
B) Perpendicular to Face	: > 5000
Modulus Of Rupture (N/mm2)	: > 60
A) Parallel To Face	: > 350
B) Perpendicular To Face	: > 250





# CHEQUERED PLYWOOD

» EXCEPTIONAL STRENGTH &  
DIMENSIONAL STABILITY

» ANTI-SKID

» AVAILABLE IN THICKNESS 12 & 18mm

» HIGH WATER RESISTANCE & DURABILITY

» IDEAL FOR BUS & TRUCK FLOORING

» BWP GRADE

Length	2440 +6, -0	2442mm
Width	1220 +3, -0	1222mm
Thickness	12mm	11.90mm
Squareness	200/1000mm	0.55mm
Workmanship & Finish	Clause	Satisfactory
Density	0.84	0.867
Moisture Content	5-15%	6.8%
Bond Quality Test	a) No visible delamination in glue line & plywood face	Satisfactory
(Boiling-Drying @ 60±2°C for 4 Hrs-20Hrs & three cycles)	b) No forcible separation & fiber should be adhered between piles	Satisfactory
Breaking Strength	200kgf	220kgf
(250x50xThickness in mm)	Avg: 7500N/mm2	18528.32N/mm2
Static Bending Strength	Ind: 6700N/mm2	12620.25N/mm2
Along the grain M.O.E	Avg: 4000N/mm2	15308.24N/mm2
Across the grain M.O.E	Ind: 3600N/mm2	9415.78N/mm2
Across the grain M.O.R	Avg: 50N	100.81N/mm2
Across the grain M.O.R	Ind: 45	75.32N/mm2
	Avg: 30	85.39N/mm2
	Ind: 27	67.86N/mm2
Tensile strength as per ASTRU	Along 420kg/cm2	568kg/cm2
	Across 325kg/cm2	495kg/cm2
	Total 745kg/cm2	1063kg/cm2



## FLEXI PLYWOOD

- » HIGHLY FLEXIBLE
- » DESIGNED FOR MAKING CURVED PARTS
- » MADE OF 100% GURJAN WOOD
- » IDEAL FOR COVERING ROUNDED PILLARS,  
BEAMS & CONSTRUCTION OF DESIGNER FRONT DESKS,  
RACKS IN RETAIL SHOWROOMS, RECEPTION AREA, ETC.
- » SELF-SUPPORTING & DOES NOT REQUIRE STRUCTURAL  
SKELETONS OR SPECIAL SUPPORTS
- » MOLDABLE & BENDABLE WITHOUT CLIPPING,  
CRACKING, PEELING OR STAINING

### Properties

M.O.R (Grain parallel to span)	:	120Mpa 27.5Mpa
M.O.R (Grain perpendicular to span)	:	7Mpa 1.45Mpa
M.O.E (Grain perpendicular to span)	:	115Mpa 81.2Mpa
Screw Holdings (IS-1734)	:	1250N 866N
Nail Withdrawal (IS-1734)	:	950N 56.2N
Curve (mm diameter of circle)	:	0mm 98.8mm



# FLUSH DOORS

- » PROVIDES DUST, HEAT & SOUND INSULATION
- » PROCESSED WITH ADVANCED MACHINERY FOR ACCURATE STRUCTURE & DIMENSIONAL STABILITY
- » HIGH BORER RESISTANCE
- » MANUFACTURED FROM 100% VPT WOOD



## Properties

Dimension	Length Width: +5mm Thickness: +1mm	Within Limits
Squareness	Deviation not more than 1mm on a length of 500mm	Deviation below 1mm
General Flatness	Twist, Cupping, Warping not to extend 6mm	
Local Planeness	Depth of deviation to be less than 0.5mm	Within Limits
Impact Indentation Test	Depth of Indentation not to exceed 0.2mm	Within Limits
Flexure Test	The deflection at the maximum load shall not be more than 1/30 of length & 1/15 of width and the residual deflection should not be more than 1/1	0 Satisfactory
Edge Loading Test	Deflection of edge with max to be less than 5mm	Within Limits
Shock Resistance Test	No visible defect after Test	No visible defects
Buckling Test	No deformation after test	Within Limit
Slamming Test	No deformation after test	No visible defects
Misuse Test	No deformation after test	No visible defects
Varying Humidity Test	No visible Warping, Twisting or Delamination	No such defects noted
End Immersion Test	No Delamination at the end	No Delamination
Knife Test	Minimum pass standard	Excellent
Glue Adhesion Test	No Delamination at the end	No Delamination
Screw Withdrawal Test	Load to withdraw the screw shall not be less than 1000N 1250N	

