telon®

Plyed With Perfection

A Hallmark of Premium Strength

The Art of Embellishing

An empty space is like a blank canvas waiting to be brushed with vivacious colours of beauty and masterstrokes of strength that highlight shades of reliability, tints of durability and hues of security, creating a wholesome and impressive masterpiece of exemplary craftsmanship that is beyond all standards of superior quality!

Introducing

telon®

PLYWOOD

A unique hallmark of authenticity that offers an alluring platter of excellence topped with an assortment of versatile plywood products that are number 1 in functionality, utility, and at par with international standards!

Diverse & Dynamic, Telon's brand of premium ply is an ode to invincible power that is designed to impress and built to protect!

"Strong enough to sustain, elegant enough to maintain!

Exquisite Designs, Perfect Details

Our Distinguished & Bestseller Features

- Long life
- Dimensionally stable
- Eco-friendly
- Warp-free
- Emission-free
  (emits less Formaldehyde
  as per E1 Formaldehyde Emission Level)
- Non-toxic organic chemicals are used for
  Glue Line Protection
- Full protection against Fungus,
  Borer & Termite attack
- Superior quality plywood
- High quality timber
- Innovative techniques of production

Polished To Perfection, Finessed To Fluent Strength

Telon Unique Infrastructure Facilities

1. *Composed core/panel facilities: It Is a very unique process to remove gap and overlapping. Core veneers are spliced by imported mechanical core composer machine.*
2. *Prepress technology: By this technology, plywood is made warp-free with equal bonding strength throughout the panel. It gives stronger bonding and flatness to the plywood.*
3. *Synthetic Resol resin: It is a special type of phenolic resin unlike conventional resin and polymerized in double stages (both acidic and alkaline).*
4. *Low temperature and fast curing adhesive: As Resol resin is a low temperature and fast curing resin, it minimizes the brittleness of glue line.*
5. *Quality: Our Quality team supervises and checks the various stages of manufacturing process round the clock.*

Product Bouquet

Varied Ply for Distinguished Tastes

Whether you want that rustic, old, countryside charm or the modern, contemporary and futuristic feel; Telon has ply that can suit all your needs!

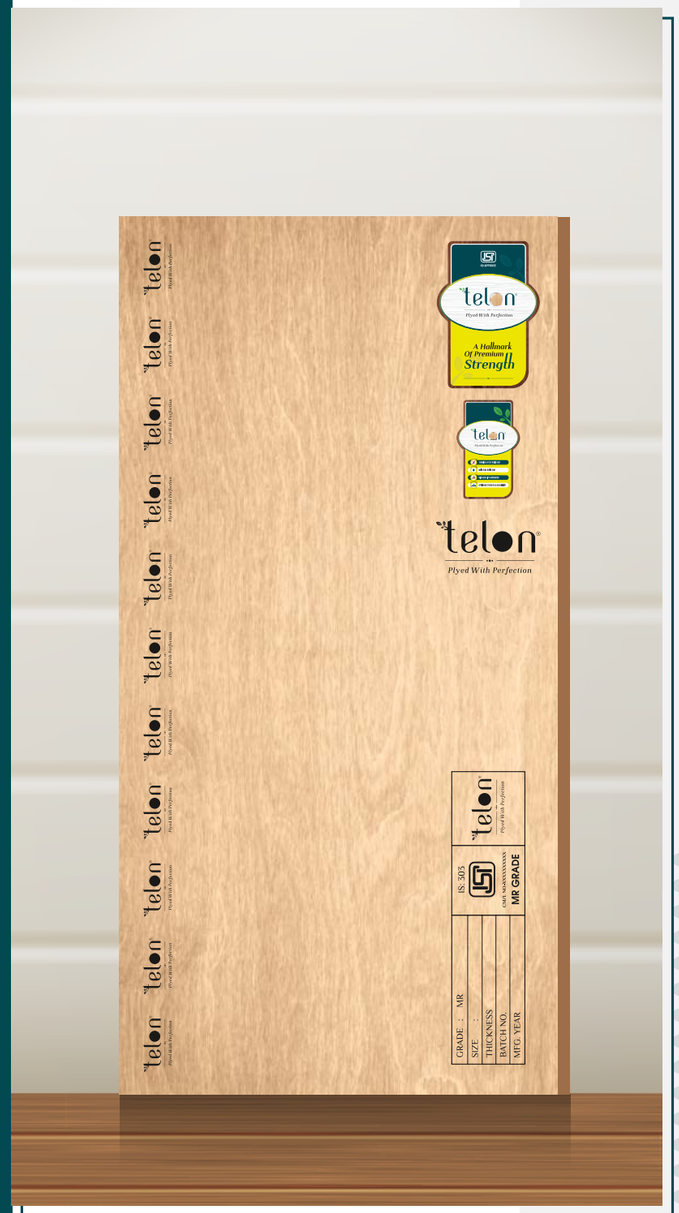
Precious and priceless install your homes & offices with ply of grand aesthetic value.

A One-Stop Solution

Whether you need to use it for construction, interiors, decor or furniture, Telon is the go-to brand for all your distinct requirements!

- *Telon Pro MR Grade IS:303*
- *Telon BWR Grade IS:303*
- *Telon Plus IS:710*
- *Telon Gold Calibrated Ply (BWP :710)*
- *Telon Club Gurjan Wood Calibrated Ply (IS:710 - E1 GRADE)*
- *Telon Block Board (MR & BWP) IS:1659*
- *Telon Gold Flush Doors IS:2202 (Pine Wood)*
- *Telon Fire-Retardant Plywood & Doors*
- *Telon Club Flexi Ply*

Be It A Home Or An Office,
Telon Ply Anywhere Is Flawless!



An Imprint of Unique Strength

Special USPs

- *Weather Proof*
- *Waterproof*
- *Moisture Resistant*
- *Fire Retardant*
- *Borer Free*
- *Strong Nail Holding Capacity*
- *Emission Free*
- *Anti Termite*
- *Fungus & Mold Free*
- *Microbial Decay Resistant*

APPLICATIONS:

- *Kitchen cabinets*
- *Racks*
- *Shelves*
- *Wardrobes*
- *Shutters*
- *Beds*
- *Tables*
- *Partitions*
- *Panelings*

Size (In feet) = *8×4, 8×3, 7×4, 7×3, 6×4, 6×3*

Thickness (In mm) = *4, 6, 8, 12, 15, 18, 25*

Bringing The Best To The Surface

Telon MR Grade IS:303

This plywood is widely used in commercial and residential structures for furniture production since it is very robust and termite resistant. When making this plywood, our specialists exclusively utilize quality-tested hardwood, as well as advanced technology. It comes in a variety of sizes and finishes to suit the needs of the customers.

USPs

- *Moisture Resistance*
- *Anti Termite*
- *Static Bending Strength*
- *Good Insulation*
- *High Density*
- *Excellent Screw / Nail Holding Strength*

Technical Specifications

	Test	ISI Requirements
1.	Grade	MR
2.	Moisture Content Dimesion	5% - 15%
		Length +5mm, width +2mm
		thickness ⩾ 6mm - ±5%,
		< 6mm - ± 10%
3.	Sp. gravity	-
4.	Resistance to Water	
	(3 cycles of 8 hr boiling & 16 hr Drying at 65°c)- Adhesion to plies	Min pass standard
5.	Resistance to Micro Organism-	
	Adhesion to Plies	Min pass standard
6.	Static bending test	
	(a) Modulus of elasticity	
	- along the grain	Avg. Min 5000 N/sq. mm
	- across the grain	Avg. Min 2500 N/sq. mm
	(b) Modulus rupture	
	- along the grain	Avg. Min 40 N/sq. mm
	- across the grain	Avg. Min 20 N/sq. mm

Everlasting Functional Finesse

Telon Pro BWR Grade IS:303

BWR Plywood is a phenol formaldehyde-based material that is very flexible and adaptable. It is made up of thick sheets of core veneer. This hardwood is commonly used for sculpting a wide range of interior furniture for homes, restaurants, workplaces, hotels, and other establishments.

USPs

- *High Internal Strength*
- *Termite-free*
- *Warp-free*
- *Resistant To Scratches*
- *High Load Bearing Capacity*

APPLICATIONS:

- *False Ceilings*
- *Partitions*
- *Panellings*
- *Storage Racks*
- *Study Tables*
- *Dining Tables*
- *Chairs*
- *Drawers*
- *Shelves*
- *Cupboards*
- *Showcases*
- *Kitchen Cabinets*

Size (In feet) = *8×4, 8×3, 7×4, 7×3, 6×4, 6×3*

Thickness (In mm) = *4, 6, 9, 12, 16, 19, 25*

Technical Specifications

	Test	ISI Requirements
1.	Grade	BWR
2.	Moisture Content Dimesion	5% - 15%
		Length +5mm, width +2mm
		thickness ⩾ 6mm - ±5%,
		< 6mm - ± 10%
3.	Sp. gravity	-
4.	Resistance to Water	
	(3 cycles of 8 hr boiling & 16 hr Drying at 65°c)- Adhesion to plies	Min pass standard
5.	Resistance to Micro Organism-	
	Adhesion to Plies	Min pass standard
6.	Static bending test	
	(a) Modulus of elasticity	
	- along the grain	Avg. Min 5000 N/sq. mm
	- across the grain	Avg. Min 2500 N/sq. mm
	(b) Modulus rupture	
	- along the grain	Avg. Min 40 N/sq. mm
	- across the grain	Avg. Min 20 N/sq. mm

Exotic Designs With Unmatched Durability

Telon Plus IS:710

Telon Plus Plywood is far superior than IS:303. Resin and raw materials species conform to IS:710, but trifle parameters of IS:710 are not there. It is boiling-water proof and termite & borer resistant. Eco-friendly, our ply is ideal for all kinds of furniture, panel inserts in panel doors and windows as well as in domestic and office areas, kitchens, bathrooms, toilets, external balconies or terrace doors - all of which are exposed to stress, strain and damp, dusty and extra-dry conditions, as it can withstand climatic variations and extreme weather changes, giving you a product that lasts through the ages.

USPs

- *Boiling Water Proof*
- *Fully Preservative Treated for Borer, Termite & Fungus*
- *Anti Bacterial coating*
- *Acoustically Effective*
- *Unextended BWP Resin*
- *100% Composed Core*
- *IS:710 certified*

APPLICATIONS:

- *Marine Equipment*
- *Ships & Boats*
- *Dock Equipment*
- *Bathroom Walls*
- *Kitchen Sub-Flooring*
- *Vehicle Body Building*
- *Outdoor Furniture*
- *Cabins*
- *Hoardings*
- *False Ceilings*
- *Cavity Flooring*
- *Partitions*

Size (In feet) = *8×4, 8×3, 7×4, 7×3, 6×4, 6×3*

Thickness (In mm) = *4, 6, 9, 12, 16, 19, 25*

Technical Specifications

Telon Plus IS: 710			Test Conducted as per IS:710 (2010)
S.No.	Test Carried Out	Specified Value	Observed Value
1	Length	2440 +6 mm / -0 mm	2442 mm
	Width	1220 +3 mm / -0 mm	1222 mm
	Thickness	(25, 19, 16, 12, 9, 6) ±5 % mm	Satisfactory
	Edge Straightness	0.2%	0.09%
	Squareness	0.2%	0.12%
2.	Moisture Content	5-15% (RH)	10%
3.	Mass Density (ρ)		720 kg/m³
4.	**Glue Shear Strength**	Minm Individual: 1100 N	1380 N
	1. Dry State	Avg.: 1350 N	1460 N
	2. Wet State	Minm Individual: 800 N	1010 N
	3. Adhesion of Plies	Avg.: 1000 N	1130 N
5.	**Tensile Strength**		Excellent
	a) Along the Grain		
	b) Across the Grain	42 N/mm²	55 N/mm²
6.	**MOR-Static (Modulus of Rupture)**	25 N/mm²	38 N/mm²
	a) Along the Grain		
	b) Across the Grain	50 N/mm²	58 N/mm²
		30 N/mm²	33 N/mm²
7.	**MOE-Static (Modulus of Elasticity)**		
	a) Along the Grain	7500 N/mm²	8210 N/mm²
	b) Across the Grain	4000 N/mm²	5540 N/mm²
8.	**MOR-Wet (Modulus of Rupture)**		
	a) Along the Grain	25 N/mm²	35 N/mm²
	b) Across the Grain	15 N/mm²	25 N/mm²
9.	**MOE-Wet (Modulus of Elasticity)**		
	a) Along the Grain	3750 N/mm²	4410 N/mm²
	b) Across the Grain	2000 N/mm²	2670 N/mm²

Where Utility Meets Versatility

Telon Gold Calibrated Ply (BWP :710)

We are extremely efficient in delivering a comprehensive range of Telon Gold Calibrated Ply as a highly effective, lean, and fast-moving product. Our experienced specialists produce our plywood by utilizing high-quality, tested raw materials and cutting-edge technologies. The consumers appreciate the offered plywood because of its enthralling patterns and faultless finish. This range of plywood is crafted and available in different designs, sizes and shapes as per the needs of our clients.

USPs

- *Calibrated Plywood*
- *Formaldehyde Emission Level: E1 European Standard*
- *Boiling Water Proof*
- *Anti Bacterial Coating*
- *Acoustically Effective*
- *Unextended BWP Resin*
- *100% Composed Core*
- *Fully Preservative Treated For Borer, Termite & Fungus*

APPLICATIONS:

- *Furniture*
- *Cabins*
- *Hoardings*
- *False Ceilings*
- *Cavity Flooring*
- *Partitions*

Size (In feet) = *8×4, 8×3, 7×4, 7×3, 6×4, 6×3*

Thickness (In mm) = *4, 6, 9, 12, 16, 19, 25*

Technical Specifications

	Test Carried Out	Specified Value	Observed Value
1.	Length	2440 +6 mm / -0 mm	2443 mm
	Width	1220 +3 mm / -0 mm	1221 mm
	Thickness	19 ±5 % mm	18.60 mm (avg.)
	Edge Straightness	0.2%	0.10%
	Squareness	0.2%	0.11%
2.	Moisture Content	5-15% (RH)	9%
3.	Mass Density (ρ)	_____	620 kg/m^3
4.	**Glue Shear Strength**		
	1. Dry State	Min^m Individual: 1100 N	1365 N
		Avg.: 1350 N	1470 N
	2. Wet State	Min^m Individual: 800 N	1105 N
		Avg.: 1000 N	1270 N
	3. Adhesion of Plies		Excellent
5.	**Tensile Strength**		
	a) Along the Grain	42 N/mm^2	63 N/mm^2
	b) Across the Grain	25 N/mm^2	42 N/mm^2
6.	**MOR-Static (Modulus of Rupture)**		
	a) Along the Grain	50 N/mm^2	66 N/mm^2
	b) Across the Grain	30 N/mm^2	45 N/mm^2
7.	**MOE-Static (Modulus of Elasticity)**		
	a) Along the Grain	7500 N/mm^2	8150 N/mm^2
	b) Across the Grain	4000 N/mm^2	5200 N/mm^2
8.	**MOR-Wet (Modulus of Rupture)**		
	a) Along the Grain	25 N/mm^2	40 N/mm^2
	b) Across the Grain	15 N/mm^2	26 N/mm^2
9.	**MOE-Wet (Modulus of Elasticity**		
	a) Along the Grain	3750 N/mm^2	4830 N/mm^2
	b) Across the Grain	2000 N/mm^2	2880 N/mm^2

Nonpareil Security For Invincibility

Telon Club Gurjan Wood Calibrated Ply (IS:710 +5509) E-0 Emission

Telon Club Fire Retardant Plywood *provides vital properties to prevent the spread of a fire in its initial stages. Manufactured from carefully selected hardwood, it is consistent with* ***IS 5509 Standards****. The fire resistance is built up with the treatment of fire-retardant chemicals under pressure in a vacuum, is boiling water proof and CE certified. It is Eco Friendly and Conforms to* ***E-0 Standards for Emission.***

Plywood is one of the most versatile materials around when it comes to furniture. It has the right combination of rigidity and flexibility, to go along with the aesthetic quality. Its long-lasting nature coupled with its ability to slow the spread of fire makes plywood a big asset.

Primarily used in public spaces where the risk of fire must be reduced, the ***Telon Club Fire Retardant plywood*** *is designed to withstand large amounts of heat and slow the burning. The tendency to spark and ignite is minimal. Another vital characteristic is its high flame spread time as well as low smoke generation, allowing crucial extra minutes for an emergency evacuation. Its low flammability resists the wild spread of fire.*

USPs

- *E-0 Emission European Standard*
- *Boiling Waterproof (BWP) & Fire Reterdent Ply*
- *Termite & Borer Proof**
- *Antifungal Treated*
- *100% Calibrated & CARB certified*
- *Bend resistant:*
- *Made from high quality treated hardwood veneers*
- *Manufactured through QuadPro Process4 time press*
- *Mechanically Pressure treated*
- *Withstands all climatic conditions*
- *25 Years Warranty**

APPLICATIONS:

- *Furniture*
- *Marine Equipment*
- *Ships & Boats*
- *Cabins*
- *Hoardings*
- *False Ceilings*
- *Cavity Flooring*
- *Partitions*

Size (In feet) = *8×4, 8×3, 7×4, 7×3, 6×4, 6×3*

Thickness (In mm) = *4, 6, 9, 12, 16, 19, 25*

Technical Specifications

Dimension	BIS Requirement	Observation Values
Length	2440 +6 -0	2442mm
Width	1220 +3 -0	1222mm
Thickness	12mm ±5%	11.80mm
Squareness	2 mm/1000 mm	0.95mm
Edge straightness	2 mm/1000 mm	0.50mm
Workmanship & Finish	As Per Clause 9.1 to 9.2	Satisfactory
Physical Properties		
Density	0.60 - 0.65	0.64
Moisture content	5-20%	10.25%
Water resistance		
Test		
Cyclic test		
8 hours-16 hours	Pass standard	Excellent
Boiling-drying		
3 Cycles		
Mycological Test	Pass standard	Excellent
Static bending		
Strngth		
Along the grain M.O.E.	Avg.-5000 N/mm²	5850 N/mm²
Across the grain M.O.E.	Ind. -4500 N/mm² Avg.- 2500 N/mm²	4020 N/mm² 3480 N/mm² 2855 N/mm²
Along the grain M.O.R.	Ind.-2200 N/mm² Avg.- 40	47.80 N/mm² 36.40 N/mm²
Across the grain M.O.R.	Ind.- 36 Avg.- 20 Ind.- 18	27.25 N/mm² 20.35 N/mm²
FIRE RETARDENT TEST IS : 5509-2000		
Name of the Test	**Requirements as per IS: 5509:2021**	**Results**
Flammability Test	Specified Requirement Time Taken for Second Ignition Shall Not less Than 30 Mins	33 Mins
Flame Penetration	Specified Requirement Time Taken for Flame Penetration Shall not be Less than (15/6 X Thickness) Mins = 30mins	54 Mins
Rate of Burning	Specified Requirement Time Taken to Lose Weight From 30- 70% Shall Not Be Less Than 20 Mins	25 Mins

Remarks: The plywood sample tested conforms to the technical parameters of IS:710 (2010)

A Strong Inspiration Of Beauty

Telon Block Board (MR & BWP) IS:1659

Telon Block Boards contain the most durable and long-lasting materials for interior woodwork. The Blockboard is made out of pine wood fillers and tropical hardwood core veneers that have been chemically treated. This is held together by phenolic glue of the BWP kind. These blockboards are also designed to be termite resistant and resistant to powdering. Used to beautify distinguished projects, they are the best product available in its segment.

USPs

- *Moisture Resistance & Boiling Waterproof*
- *Static Bending Strength*
- *Good Insulation*
- *High Density*
- *Excellent Screw / Nail Holding Strength*
- *Termites And Borer Resistant*
- *Good Dimensional Stability*

APPLICATIONS:

- *Furniture*
- *Interior Décor*
- *Panelling*
- *Partitions*
- *Seats*
- *Railway Carriages*
- *Racks & Shelves*
- *Cabinets*
- *Counters*
- *Shutters*
- *Cupboards*

Size (In feet) = *8×4, 8×3, 7×4, 7×3, 6×4, 6×3*

Thickness (In mm) = *4, 6, 9, 12, 16, 19, 25*

Technical Specifications

	Tests	Prescribed Value	Results
1.	**Dimensions (mm)**		
	1. Length	Tolerance + 6 mm	2442 mm
		- 0 mm	
	2. Width	Tolerance + 3 mm	1222 mm
	3. Thickness	- 0 mm	
	I. Average in mm	'+ 5 %	19.25 mm
		'---	
	ii. Variation in Thickness	'0.5 mm	0.35 mm
2.	**Permissible Defects**	**Confirm**	**Confirm to IS: 1659**
3.	**Dimensional Changescaused by humidity**		
	a) Changes in length, mm	'+ 1	
	from 65% RH to 90% RH	'---	+0.26
		'+ 1	
	from 65% RH to 40% RH	'---	--0.20
	b) Changes in thickness, mm	'+ 1	
	from 65% RH to 90% RH	'---	+0.24
		'+ 1	
	from 65% RH to 40% RH	'---	--0.06
	c) Local Plainness	D/L<1/150	Less than 0.00669
4.	**Adhesion of Plies**	Minimum Pass	Excellent
	(Knife Test)	Standard	
5.	**Resistance to Water**	Minimum Pass	Excellent
	(72 Hours Boiling)	Standard	Conform to IS: 1659
6.	**Resistance to Micro-organism**		
	(Mycological Test)		
7.	**Modulus Rupture** N/mm2	40 N/mm2	45.74 N/mm2
8.	**Modulus Elasticity** N/mm2	4000 N/mm2	4445.25 N/mm2

Stepping Into Extreme Power

Telon Gold Flush Doors IS:2202 (Pine Wood)

Telon Flush Doors are highly durable due to its high quality, superior polish, and dimensional stability. It's constructed from a single, high-quality hardwood species and sealed with a boiling-water-resistant synthetic phenol formaldehyde glue. The wooden frames offer support for the hinges. These doors offer guaranteed strength and safety, as well as peace of mind.

USPs

- Superior looks
- Distinguished Shades & Designs
- Highly durable and dimensionally stable
- Weather and water resistant
- Termite Resistant
- Excellent Finish

APPLICATIONS:

- Skin Doors
- Membrane Doors
- Laminated Doors
- Routed Doors
- Decorative Doors
- Interior & Exterior Special Doors
- Customized Made-To-Order Door

Size (In feet)	= 8×4, 8×3, 7×4, 7×3, 6×4, 6×3
Thickness (In mm)	= 4, 6, 9, 12, 16, 19, 25

Technical Specifications

	Material: Flush Door	Sample Dimensions: Full sized door shutter	As per IS Code: 2202 (I)
	Test prescribed in IS:2202	**Minimum Value of Conformity**	**Observed Value**
1.	Dimension in mm & Squareness	Tolerance: Height: ±5 mm, Width: ± 5 mm	Excellent
		Thickness: 40 ± 1 mm	39.92 to 40.16 mm
		Variation in Thickness between any two	
		point not more than 0.8 mm.	0.65 mm
2.	Workmanship & finish	As per clause 9.1, 9.2 & 9.3	Satisfactory
3.	General Flatness	Twist, Cupping & Warping not greater than 6mm	Satisfactory [2.9, 2.7 & 2.2 in mm]
4.	Local Planeness	Depth of Variation not greater than 0.5 mm.	0.22 mm
5.	Glue Adhesion Test	No Delamination.	No Delamination.
6.	Knife Test	Minimum Pass Standard	Pass Standard.
7.	Impact Indentation	No Cracking, tearing or delamination.	Pass the Standard
8.		Depth of Indentation not greater than 0.2 mm	0.11 mm
9.	Flexure Strength (deflection in mm)	Deflection at maximum load not greater than 1/30 of	Satisfactory
	15min after Loading 50 Kg.	Length & 1/15 of width, whichever is less.	Results are within limits
	3 min after load removal	Residual deflection not greater than 1/10 of	
		max deflection	
10.	Slamming Test	No visible damage after 50 drops.	No Visible Damage
			Satisfactory
11.	Shock Resistance Test		
	Soft & Light body impact	No visible damage	No Visible Damage
	Soft & heavy body impact	No visible damage	Satisfactory
12.	Buckling Test (Deflection in mm)		
		No Deterioration Initial deflection not greater	
		than 50mm	No Deterioration
	I) After 5 min of 40 Kg Loading	Residual deformation after 15 min not greater	Satisfactory
		than 5 mm	
	ii) 15min after load removal		Results are within limits
13.	**Edge Loading**		
	Test (Deflection in mm)		
	After 15 min of 100 Kg Loading	Deflection at max. Load not greater than 50 mm	32 mm
		Residual Deflection after removal of load not greater than	
	3 min after load removal		Within Limit
		0.5 mm Not more than 2 mm During loading	
	Lateral Buckling	No residual buckling after load removal.	
14.	Screw Withdrawal strength(N)	Not less Than 1000 N. No visible Damage of Surface.	1220 N
15.	Misuse Test	No permanent deformation of the fixing or any other	
		part of the door-set in hindering its normal	Satisfactory
		working after the test.	
16.	End immersion test	Shall have no delamination at the end of door	No delamination

Nonpareil Security
For Invincibility

Telon Club Fire-Retardant Plywood & Doors

TELON Fire retardant plywood is a unique plywood in which every layer of veneer is treated with special MAP (mono ammonium phosphate) of known concentration having adequate retention inveneers as per IS-5509 with vacuum pressure impregnation treatment. it conforms to is 5509, meeting all th fire retardant proprieties, is boiling water proof and CE certified. It Is Eco Friendly And Conforms to E1 standards for Emission.

USPs

- *BWP Grade*
- *Anti Bacterial*
- *Weather Proof*
- *Conforms to CE*
- *100% Composed Core*
- *The 4 Press Technology*
- *Selected Hardwood Species*
- *Borer & Fungus Proof, Anti-Termite Guarantee*
- *Fire Retardant properties as per IS:5509 Certified*
- *Formaldehyde Emission Level: E1 European Standard*
- *Prevents fire from spreading emitting controlled smoke*

APPLICATIONS:

This panels is used in fire-sensitive places like:-

- *Multiplex*
- *Auditorium*
- *Malls*
- *Hotels*
- *Bars*
- *Casino*
- *Discotheque*
- *Buses*
- *Kitchens*
- *Pantries*
- *Commercial*
- *Offices Etc.*

Size (In feet) = *8×4, 8×3, 7×4, 7×3, 6×4, 6×3*

Thickness (In mm) = *4, 6, 9, 12, 16, 19, 25*

Technical Specifications

for 19mm Thickness

BIS Standard	IS-5509-2006 Compliant
Moisture Content	5% TO 10%
Preservative Treatment	Glue Line Protection
Adhesion Of Plies	Excellent
Flammability	35 minute
Flame penetration	55 minute
Rate of burning	27 minutes
Static Bending Strength	(N/mm^2)
Modulus of rupture (MOR):	Along the grain: > 50
	Across the grain: >28
Modulus of elasticity (MOE) :	Along The Grain:->4668
	Across The Grain:->2300
Available in thickness	6mm/9mm/12mm/16mm/19mm/25mm

Fire Reted Doors

Features:

- *Prevention From Fire Spreading*
- *Composed Of Inorganic Substances*
- *Light Weight, Rigid, Robust*
- *Do Not Emit Toxic Gas Or Smoke*
- *Unaffected By Insects, Vermin & Micro Organism*
- *Prevents Mould Growth*

Telon fire rated doors are basically a Combination of chemically treated core & frames with fire resistant chemicals (Ammonium Sulphate & Ammonium Phosphate) & imported fire rated boards from Germany as filler material. After giving the vacuum treatment to the timber, which helps to prevent the timber against attack of fungus & termite. The fire retardant chemicals increase the resistance of timber against fire. These timbers are now ready for process of making Solid Core Fire Resistance Door in which on both faces of the door, Non-Combustible Sheet/Layer pressed with synthetic resin like phenol formaldehyde ***(conforms to IS:5509).***

Smoke seal is also provided whenever required.
Range of size is available according to customers needs.

USPs

- *Fire-Retardant*
- *Termite & Borer-Free*
- *Boiling Water-Proof*
- *Weather-Resistant*
- *High Density Wood for Durability & Stability*
- *Excellent Tooling & Finishing Properties*
- *TGP Technology*
- *Superior Looks*

APPLICATIONS:

- *Skin Doors*
- *Membrane Doors*
- *Laminated Doors*
- *Routed Doors*
- *Decorative Doors*
- *Interior & Exterior Special Doors*
- *Customized Made-To-Order Door*

Size (In feet) = *8×4, 8×3, 7×4, 7×3, 6×4, 6×3*

Thickness (In mm) = *4, 6, 9, 12, 16, 19, 25*

Technical Specifications

	Tests	Size of Specimen (mm)	Minimum Value	Value Obtained
1.	Dimensions,mm & Squareness	Full size door	Height-± 5 mm	+1mm
		2005x1100	Width-± 5 mm	+1 mm
			Thickness ± 1 mm	+0.09 mm
2.	General Flatness	Full size door	Twist, cupping & warping not	
			greater than 6 mm	1.90 mm
3.	Local Planeness	Full size door	Not greater than 0.5 mm	0.08 mm
4.	End immersion test	Full size door	No delamination	No delamination
5.	Glue adhesion test	150mmX150mm from the	No delamination	No delamination
		two corners of door		
6.	Knife Test	Full size door	Minimum pass standard	Pass Standard
7.	Impact indentation	Full size door	Not more than 0.2 mm	0.09 mm
8.	Slamming	Full size door	No visible damage after 50 drops	No damage
9.	Flexure (mm)	Full size door	Not more than 1/30 of length	48.20 mm
	15 m after loading		or 1/15 of width	
	50kg 3 m after load removal		Not more than 1/10 of max deflection	2.90 mm
10.	Shock resistance	Full size door	No visible damage.	No visible damage.
	Soft & light body impact			
	Soft & heavy body impact		No visible damage.	No visible damage.
11.	Buckling(mm)	Full size door	No deterioration.	
	After 5min of 40 kg loading		Not more than 50 mm.	39.60 mm
	15 min after load removal		Not more than 5 mm.	2.40 mm
12.	Edge loading(mm)	Full size door	Not more than 5 mm.	2.90 mm
	After 15min of 100 kg loading		Not more than 0.5 mm.	0.29 mm
	3 min after load removal		Not more than 2 mm during loading.	0.90 mm
	Lateral buckling		No buckling after removal	No buckling
13.	Screw withdrawal strength	150mm X 75mm	Not less than 1000 N	1390 N
14.	Misuse	Full size door	No visible damage.	No damage
15.	Fire flammability	125 mmX125 mm	30 min	36 min
16.	Flame penetration	125 mmX125 mm	120 min	120 min
17.	Rate of Burning	100 mmX12.5 mm	20 min	29 min

Reliability Backed Up By Strength

Telon Club Flexi Ply

Telon Flexi Ply is a robust and long-lasting plywood manufactured entirely of Gurjan wood that can be twisted or curled. The panels retain their flexibility and bonding strength thanks to a well-designed press mechanism that uses cushioned pressing at low pressure. Used extensively in curved or bent structures, this form of ply is known for its adaptability and versatile nature!

APPLICATIONS:

- Furniture
- Panels
- Interior Décor
- Cabinets
- Home Displays
- Fixtures
- Stairways

Size (In feet)	= 8×4, 8×3, 7×4, 7×3, 6×4, 6×3
Thickness (In mm)	= 4, 6, 8, 12

USPs

- More convenient than other pre-wood structures
- Heat forming or water treatment not required
- Self-supporting structure, which does not need special support
- Supreme longevity

Technical Specifications

	Composition	**Tropical wood, hot pressed with synthetic resin**
1.	Density	700 kg/m3 (approx)
2.	Bending Radius	For 1.5 mm thickness, 6"
		For 4 mm thickness, 6"
		For 6 mm thickness, 9"
		For 7.5 mm thickness, 16"
		For 10.5 mm thickness, 24"
3.	Elasticity	Cross grain 210 N/mm2
		Along the grain 6300 N/mm2

telon

Quality Assurance

Telon strictly adheres to the ISI standard norms and offers a vast range of durable heavy-duty and appealing range of plywood! The brand ensures that all manufactured products undergo the required tests, measures, and procedures in order to maintain the consistent quality of the ply. Any errors encountered are either improved or entirely eliminated to safeguard the customer's interest.

Our products are environment-friendly, non-toxic, and long-lasting, creating a safe and secure atmosphere for your family. Our commitment to environmental sustainability and our continual pursuit of high-quality materials has led us to develop a dynamic line of contemporary plywood goods that are destined to revolutionize the industry!

The Trailblazers *of* Modern Strong Ply

RAJLAXMI
PLYWOOD PVT. LTD.

Rajlaxmi Plywood Pvt Ltd., led by Mr. Ajit Singhvi, is the Mumbai-based company behind Telon's creation & success. A well established name in India's plywood industry & market, it is one of the largest organizations dealing in interior and construction range plywood and wood-based products! The company sources high-quality & competitively priced wood-based products from across the world and makes it available to Indian consumers. Enjoying the trust, confidence and patronage of all its customers and influencers, the group has established a PAN India presence and has become the most preferred and dependable supplier in the country for high-end panels, construction plywood, and innovative interior furniture!

A Premium Product of

RAJLAXMI
PLYWOOD PVT. LTD.

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