
Suntek™
Ply For Your Lifestyle
PLY | BOARD | DOOR



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Authorised Dealer/Distributor

Group Company Of
Suntouch Laminate Pvt. Ltd.

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WOOD
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ABOUT US...



ABOUT US...

Suntek Ply Is A Dynamic, Versatile Professionally Managed Plywood Manufacturer In India. We Have Started Our Journey As Laminate Manufacturer In 2010- Suntouch Laminate Pvt Ltd And Emerged As One Of The Reliable And Leading Manufacturer Of Superior Quality Laminates In India. It Can Be Used Extensively For Making Furniture, Doors, Cupboards And Much More.

MISSION

The Mission Of Suntek Plywood is To Best Serve The Plywood Industry By Supplying The Highest Quality Of Plywood. Besides Being Society Centric Company, We Want To Provide A Safe, Healthy Environment To Our Employees. Simultaneously To Maintaining Excellent Quality For The Products. We Also Aim To Maintain High Safety Standards For All Products We Manufacture Along With All Processes To Be Environment-Friendly.



VISION

Our Vision Is To Growth And Let Our Customers Avail With The Best Of Plywood Technology. We Visualize Our Core Objectives By Discovering The Rich & Quality Plywood Using Latest Technology And Make It Accessible To The World Of Interior Designs. We Fulfill Our Vision Of Growing And Succeeding By Following Its Principles Strictly Without Compromise.

WHY ? CHOOSE SUNTEK PLY



100% Hard wood is used for extra strength.



Core composing is done by automatic core composers installed in plant.



Unique manufacturing process of 4 time pressing technology



No chance of inside core and panel gap.



Effectively treated plywood against termites and borer.



Perfect thickness and finishing due to both side calibration.



Resin made with ultra modern technology to make it Eco friendly and safe for use.



Bonded with high solid content resin for long life and superior bonding.



High screw holding capacity because of 8 x 4 ft. core and panels of high density core.



Glue line protected



Water Proof



Healthy Atmosphere



IS 710 : BIS Specification for Boiling Water Marine Grade Plywood



IS 303 : License for Moisture Resistance Plywood and Boiling Water Resistance Plywood

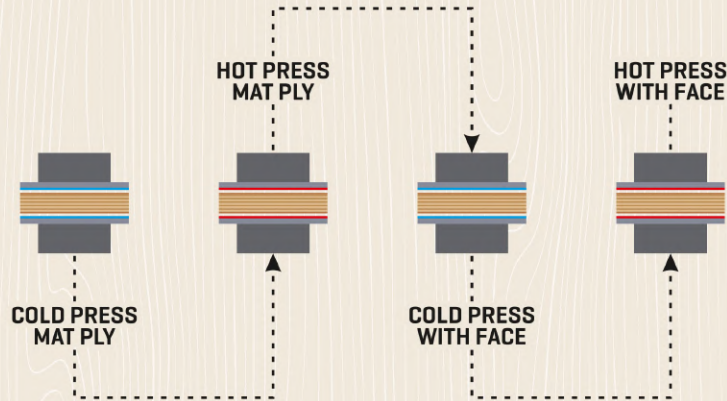
IS 2202 : (Part-1): BIS Specification for Water Proof Flush Door

IS 1659 : BIS Specification for Block Boards

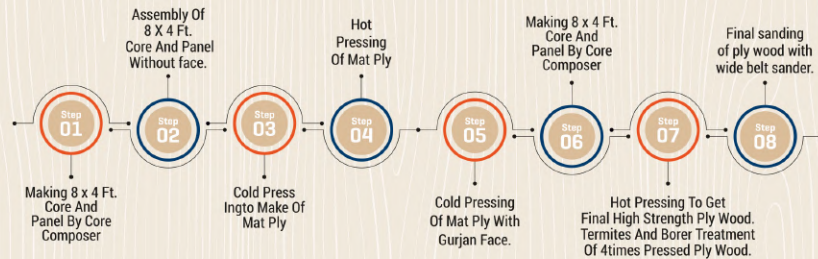
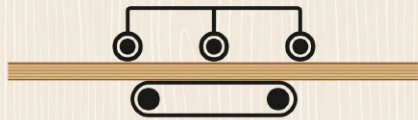


Conform to E1 Formaldehyde Emission Class Lowest Formaldehyde Emission Obtainable in India

Our Advance Technology



BOTH SIDE CALIBRATED



Range Of Product



Suntek CLUB 710
IS :710 - 100% MARINE GRADE PLY

Suntek GOLD 710
IS :710 - 100% MARINE GRADE PLY



Suntek PRIME MR
IS :303 RED & RED HARDWOOD PLY

Suntek BWR PREMIUM
IS :303 RED & RED HARDWOOD PLY



Suntek BLOCK BOARD
IS :1659 MADE WITH 100% PINE

FLUSH DOORS
IS :2202 MADE WITH 100% PINE





Suntek Club 710 Ply With Life time Warranty

Suntek Club Marine plywood comes with Life Time warranty. It can withstand extreme wear and tear for many decades and comply with International Standard.

Suntek Club Marine Plywood consists of Hardwood species along with thick Gurjan Face.

It is bonded with BWP grade adhesive and pressed with high temperature and line pressure of 40kg/cm² for the best bonding.

Suntek gold Marine plywood is pretreated with world best glue line poisoned and post treated with eco-friendly preservative chemicals. It contains preservative components that prevents damaged caused by termite and borer.

It is both side calibrated which give you equal thickness at every corner of plywood and meets 72 hours boiling water resistance test and comes with IS 710 certification.

Sizes : **8x4, 7x4**

Thickness In mm : **6, 12, 16, 19, 25**

HIGHLIGHTS

- Marine Grade
- 100% Hardwood made
- Both side calibrated
- Pre composed core
- Double surface sanding for superior surface finish
- Immune to Termites
- High Density of 770 - 825kg/m³
- Glue line protection and preservative treatment
- Life Years Warranty
- Immune to Microbes



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Technical Specification Marine Grade 15 Ply Plywood, IS 710

TESTS METHOD	UNITS	REQUIREMENT AS PER INDIAN SPECIFICATIONS (IS 1001:2012)	VALUE OBTAINED
1) Dimensions & tolerance IS:12049-1987 (RA2001)			
Length	mm	+6 / -0	+1 / -0
Width	mm	+3/0	+1 / -0
Thickness	%	+5%: 6mm & above	+1.5
Square-ness	%	Max 0.20	0.08
Edge straightness	%	Max 0.20	0.07
2) Moisture content as per IS:1734-1983 (RA 2003) Part:1	%	5-15	10-12
3) Glue adhesion in dry state			
Glue shear strength as per IS:1734-1983 (RA 2003) Part4	N	Avg. 1,350 Min. 1,100	Avg 1,650 Min. 1,485
Adhesion of plies as per IS:1734-1983 (RA 2003) Part 5		Min. Pass	Excellent
4) Resistance to water			
Glue shear strength as per IS:1734-1983 (RA 2003) Part4 & 6	N	Avg. 1,000 Min.800	Avg. 1,370 Min. 1,285
Adhesion of plies as per IS:1734-1983 (RA 2003) Part 5 & 6		Min. Pass	Excellent
5) Mycological test			
Glue shear strength as per IS:1734-1983 (RA 2003) Part4 & 7	N	Avg. 1,000 Min.800	Avg 1,340 Min. 1390
Adhesion of plies as per IS:1734-1983 (RA 2003) Part 5 & 7		Min. Pass	Excellent
6) Static bending strength as per IS:1734-1983 (RA 2003) Part 11			
A) Modulus of rupture	N/mm ²		
a) Along the grain			
i) Average		Min. 50	69.7
ii) Min. ind.		Min. 45	61.8
b) Across the grain	N/mm ²		
i) Average		Min. 30	56.1
ii) Min. ind.		Min. 27	53.7
B) Modulus of elasticity	N/mm ²		
a) Along the grain			
i) Average		Min. 7500	9450
ii) Min. ind.		Min. 6700	8240
b) Across the grain	N/mm ²		
i) Average		Min. 4000	6500
ii) Min. ind.		Min. 3600	5760
7) Wet bending strength as per IS:1734-1983 (RA 2003) Part 11			
A) Modulus of rupture			
a) Along the grain	N/mm ²		
i) Average		Min. 25	39.6
ii) Min. ind.		Min. 22	34.0
b) Across the grain	N/mm ²		
i) Average		Min. 15	37.9
ii) Min. ind.		Min. 13	35.6
B) Modulus of elasticity			
a) Along the grain	N/mm ²		
i) Average		Min. 3750	5,730
ii) Min. ind.		Min. 3400	4,966
b) Across the grain	N/mm ²		
i) Average		Min. 2000	4,512
ii) Min. ind.		Min. 1800	3,970
B) Tensile Strength as per IS:1734-1983 (RA 2003) Part 9	N/mm ²		
a) Along the grain		55	77
b) Across the grain		35	49
9) Compressive strength as per IS:1734-1983 (RA 2003) Part 10	N/mm ²		
a) Along the grain		35	47.5
b) Across the grain		30	39.8
10) Panel shear strength as per IS:1734-1983 (RA 2003) Part 13	N/mm ²	12.5	14.66
11) Modulus of rigidity	N/mm ²	588	607
12) Rolling shear strength as per IS:1734-1983 (RA 2003) Part 14	N/mm ²	3	3.87
13) Retention of preservatives as per IS 2753 (Part 1) and IS 2753 (Part2)	Kg/m ³	12	15.7

Applications :



Kitchen



Wardrobes



TV Unit



Reception Area



Wall Bracing



Shipping Crates



Outdoor Flooring



Roof Linings



Garden Furniture



Structural Home Building



Subfloors



Roof Bracing

Technical Specification Marine Grade Plywood, IS 710

TESTS METHOD	UNITS	REQUIREMENT AS PER INDIAN SPECIFICATIONS (IS 10701:2012)	VALUE OBTAINED
1) Dimensions & tolerance IS:12049-1987 (RA2001)			
Length	mm	+6 / -0	+1 / -0
Width	mm	+3 / 0	+1 / -0
Thickness	%	+5% 6mm & above	+1.5
Square-ness	%	Max 0.20	0.08
Edge straightness	%	Max 0.20	0.07
2) Moisture content as per IS:1734-1983 (RA 2003) Part:1	%	5-15	10-12
3) Glue adhesion in dry state			
Glue shear strength as per IS:1734-1983 (RA 2003) Part4	N	Avg. 1,350 Min. 1,100	Avg. 1,650 Min. 1,485
Adhesion of plies as per IS:1734-1983 (RA 2003) Part 5		Min. Pass	Excellent
4) Resistance to water			
Glue shear strength as per IS:1734-1983 (RA 2003) Part4 & 6	N	Avg. 1,000 Min.800	Avg. 1,370 Min. 1,285
Adhesion of plies as per IS:1734-1983 (RA 2003) Part 5 & 6		Min. Pass	Excellent
5) Mycological test			
Glue shear strength as per IS:1734-1983 (RA 2003) Part4& 7	N	Avg. 1,000 Min.800	Avg. 1,340 Min. 1390
Adhesion of plies as per IS:1734-1983 (RA 2003) Part 5 & 7		Min. Pass	Excellent
6) Static bending strength as per IS:1734-1983 (RA 2003) Part 11			
A) Modulus of rupture	N/mm ²		
a) Along the grain			
i) Average		Min. 50	69.7
ii) Min. Ind.		Min. 45	61.8
b) Across the grain	N/mm ²		
i) Average		Min. 30	56.1
ii) Min. Ind.		Min. 27	53.7
B) Modulus of elasticity			
a) Along the grain	N/mm ²		
i) Average		Min. 7500	9450
ii) Min. Ind.		Min. 6700	8240
b) Across the grain	N/mm ²		
i) Average		Min. 4000	6500
ii) Min. Ind.		Min. 3600	5760
7) Wet bending strength as per IS:1734-1983 (RA 2003) Part 11			
A) Modulus of rupture			
a) Along the grain	N/mm ²		
i) Average		Min. 25	39.6
ii) Min. Ind.		Min. 22	34.0
b) Across the grain	N/mm ²		
i) Average		Min. 15	37.9
ii) Min. Ind.		Min. 13	35.6
B) Modulus of elasticity			
a) Along the grain	N/mm ²		
i) Average		Min. 3750	5,730
ii) Min. Ind.		Min. 3400	4,966
b) Across the grain	N/mm ²		
i) Average		Min. 2000	4,512
ii) Min. Ind.		Min. 1800	3,670
8) Tensile Strength as per IS:1734-1983 (RA 2003) Part 9	N/mm ²		
a) Along the grain		55	77
b) Across the grain		35	45
9) Compressive strength as per IS:1734-1983 (RA 2003) Part 10	N/mm ²		
a) Along the grain		35	47.5
b) Across the grain		30	39.8
10) Panel shear strength as per IS:1734-1983 (RA 2003) Part 13	N/mm ²	12.5	14.66
11) Modulus of rigidity	N/mm ²	588	607
12) Rolling shear strength as per IS:1734-1983 (RA 2003) Part 14	N/mm ²	9	3.87
13) Retention of preservatives as per IS 2753 (Part 1) and IS 2753 (Part2)	kg/m ³	12	15.7

Applications :



Kitchen



Wardrobes



TV Unit



Reception Area



Wall Bracing



Shipping Crates



Outdoor Flooring



Roof Linings



Garden Furniture



Structural Home Building



Subfloors



Roof Bracing



MARINE GRADE PLYWOOD, IS 710

Suntek Gold Marine plywood comes with 25 Year of warranty. It can withstand extreme wear and tear for many decades and comply with International Standard. It contains all core composed with latest core composer installed in plant. Suntek Marine Plywood consists of Hardwood species along with thick Gurjan Face. It is bonded with BWP grade adhesive and pressed with high temperature and line pressure of 40kg/cm² for the best bonding. Suntek gold Marine plywood is pre treated with world best glue line poisoned and post treated with eco friendly preservative chemicals. It contains preservative components that prevents damaged caused by termite and borer. It is both side calibrated which give you equal thickness at every corner of plywood and meets 72 hours boiling water resistance test and come with IS 710 certifications.

Size : **8x4, 7x4**

Thickness In mm : **6, 12, 16, 19, 25**

HIGHLIGHTS

- Marine Grade
- 100% Hardwood made
- Both side calibrated
- Pre composed core
- Double surface sanding for superior surface finish
- Immune to Termites
- High Density of 770 - 825kg/m³
- Glue line protection and preservative treatment
- 25 Years Warranty
- Immune to Microbes





MR/BWR GRADE PLYWOOD, IS : 303

Suntek MR/BWR plywood is ideal for robust interior construction work and many others application which required moisture resistance.

Suntek MR/BWR Plywood consists of Hardwood species along with thick Gurjan Face. MUF resin has been used to get excellent properties of moisture resistance.

Suntek MR/BWR Marine plywood is pretreated with world best glue line poisoned and post treated with eco-friendly preservative chemicals. It contains preservative components that prevents damaged caused by termite and borer.

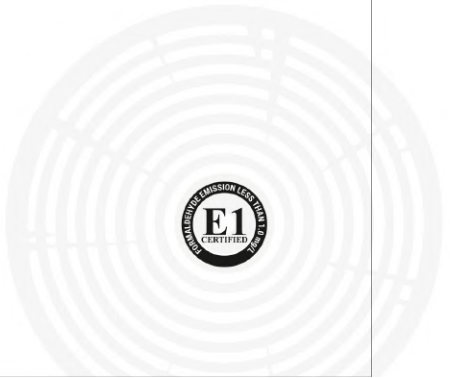
Suntek MR/BWR plywood has low emission formal dehydrate compliance with E1 and comes with IS 303 certifications.

Sizes : 8x4, 8x3, 7x4, 7x3

Thickness In mm : 6, 8, 12, 16, 18, 25

HIGHLIGHTS

- MR/BWR Grade
- 100% Hardwood made
- Both side calibrated
- Pre composed core
- Double surface sanding for superior surface finish
- Borer & Termite Resistant
- High Density of 770 - 825kg/m³
- Glue line protection and preservative treatment
- 10 Years Warranty
- Immune to Microbes



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Technical Specification MR/BWR Grade Plywood, IS : 303

	TESTS	ISI REQUIREMENTS	OBSERVED VALUES
1)	Grade	BWR, MR	MR
2)	Moisture Content	5-15%	7%
3)	Density	0.65 to 0.70 gm/cm ³	0.70 gm/cm ³
4)	Resistance to Water [3 cycles of hr Boiling & 16 hr Drying at 650C]- adhesion to plies	Min pass	Excellent
5)	Resistance to Micro Organism- Adhesion to plies	Min Pass	Excellent
A	Modulus of Elasticity - Along the Grain	Avg. Min 5000 N/mm ²	7500 N/mm ²
	- Across the Grain	Avg. Min 2500 N/mm ²	4000 N/mm ²
B	Modulus of Rupture - Along the Grain	Avg. Min 40 N/mm ²	60 N/mm ²
	- Across the Grain	Avg. Min 20 N/mm ²	35 N/mm ²
6)	Tensile Strength - Along the Grain	Avg. Min 42.00 N/mm ²	52 N/mm ²
	- Across the Grain	Avg. Min 25.00 N/mm ²	38 N/mm ²
	- Sum of Tensile Strength	Avg. Min 84.50 N/mm ²	90 N/mm ²

Applications :



Kitchen



Wardrobes



TV Unit



Reception Area



Wall Bracing



Shipping Crates



Outdoor Flooring



Bed



Garden Furniture



Structural Home Building



Subfloors



Roof Bracing



Technical Specification Mr Grade Blockboard, IS 1659

TESTS	ISI REQUIREMENTS	OBSERVED VALUES
Core		
1) Moisture Content,%	12 Max.	8.8
ii) Width of strips, mm	30 Max.	26
iii) Width of edge strips along the length, mm	45 Max.	37
Dimensions	Tolerance on declared value	1831
a) Length in	+16 mm, -0 mm	916
b) Width in	+3 mm, -0 mm	19.20 19.42
c) Thickness in Min/Max d) Variation in thickness in	±5%	0.22
e) Edge straightness, %	0.5 mm	0.08%
f) Squareness,%	0.2%	0.05%
Surface Defects	As per clause 8.1.3/6.3.3	Conforms to the requirements
Dimensional Changes caused by humidity		
a) At 90% RH		0.09
i) Difference in length	+1mm	0.10
ii) Difference in thickness	+1mm	
b) At 40% RH		0.09
i) Difference in length	±1mm	0.08
ii) Difference in thickness	±1mm	
c) There shall be no delamination at the extreme ranges of humidity	No delamination	Complies to requirement
d) There shall be no change in local planeness measure as d/L < 1/150	<1/150	Complies to requirement
Resistance to water, BWP Grade: boiling for 72 h MR Grade: 3 hrs soaking at 60±2°C	Min. Pass Standard Min. Pass Standard	Pass Standard Pass Standard
Adhesion of plies	Min. Pass Standard	Pass Standard
Modulus of Rupture (N/mm ²)		
a) Average	BWP 50 MR 40	BWP 70 MR 50
b) Minimum individual	42 34	65 40
Modulus of Elasticity (N/mm ²)		
a) Average	5000 4000	6000 5000
b) Minimum individual	4200 400	5000 4000
Spot Test	Shall show through and through penetration of preservative of chemical	Clearly visible through and through penetration of preservative chemical

Applications :



Kitchen



Wardrobes



TV Unit



Reception Area



Wall Bracing



Shipping Crates



Outdoor Flooring



Roof Linings



Garden Furniture



Structural Home Building



Subfloors



Roof Bracing



MR GRADE BLOCKBOARD, IS 1659

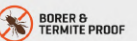
Suntek MR block board is superior quality product made from imported pine wood. It is made with high quality MUF synthetic resin to makes block board water resistant and meets all specification of IS 1659. Both seasoned wood and MUF resin ensures excellent strength which increase the durability of the products. Suntek Block board is both side calibrated which gives you equal thickness at every point of Board.

Sizes : 8x4

Thickness in mm : 19, 21, 25

HIGHLIGHTS

- Moisture Resistant Grade
- Super even top surface
- Borer and Termite Resistant
- Highly durable and passes warm water test
- Made with Mattply
- Both Side Calibrated
- 20 Years Warranty





BWP FLUSH DOOR, IS : 2202

Suntek Flush Door is a premium Boiling Waterproof grade product which has superior attributes to suit different climatic conditions. Bonded with PF (Phenol Formaldehyde) resin, this pinewood and hardwood combination product gets the unique GCP (Glued Core Protection) technology treatment, making it fully borer-proof & termite resistant and comes with 25 years of worry-free warranty. Give your home a fabulous blend of beauty and strength!

 Sizes : **25, 30, 32, 35** And As per requirement

Glued Core Protection (GCP) technology for complete protection against borers & termites IS: 2202 (Part 1) BWP (Boiling Water Proof) flush door
Manufactured using specially selected high-density timber (Pinewood & Hardwood) for superior strength and higher screw holding capacity along with the heavy load-bearing capacity

Bonded with un-extended PF resin that endures toxicity in every layer
Gurjan Face Veneer (2 layers) for the unmatched aesthetics
Eucalyptus Core Veneers (3 layers) for higher stability
Flush door frame width of minimum 50 mm for highly durable construction
Compact assembly of fillers to resist warping and undulation
Both-Side dedicated lock area block placement for convenient lock installation
Double pressing process for a dimensionally stable product with superior strength
Slam impact resistant
Calibrated for uniform thickness

HIGHLIGHTS

- BWP Grade
- 100% Pinewood
- Both side calibrated
- Double surface sanding for Superior surface finish
- Borer & Termite Resistant
- 25 Years Warranty



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Technical Specification Bwp Flush Door, Is : 2202

TESTS	ISI REQUIREMENTS	OBSERVED VALUES
Dimension & Squareness Height Width Thickness, Min/Max Variation in thickness between any two points Squareness	Tolerance: +5 mm +5 mm +1 mm Max.0.3 Deviation not more than 1mm per 500mm length	+2 mm +2 mm 30.00 - 30.50mm 0.50mm 0.50mm
General Flatness		
Twist	Max. 6 mm	Less than 6 mm
Cupping	Max. 6 mm	Less than 6 mm
Warping	Max. 6 mm	Less than 6 mm
Local Planeness	Max. 0.5 mm	0.18
	No cracking, tearing or delamination. Indentation depth, max 0.2mm	No cracking, tearing or delamination .0.14mm
Flexure Test (Deflection in mm) 15 minutes after 50 kg 3 minutes after load removal	Deflection at maximum load not greater than 1/30th of length or 1/15th of width, whichever is less. Residual deflection not greater than 1/10 of maximum deflection.	MD: Less than 1/30th of length & 1/15th of width. RD: Less than 1/10th of MD
Edge loading Test (deflection in mm) After 15 minutes of 100 kg loading 5 minutes after load removal Lateral buckling	Deflection at maximum load not greater than 5 mm. Residual deflection after removal of load not greater than 0.5mm. Not more than 2mm during loading. No residual buckling after load removal.	MD: Less than 5mm. RD: Less than 0.5mm Lateral Buckling: 0.1mm Conforms to the requirement
Shock Resistance Test Soft & light body impact Soft & heavy body impact	No visible damage No visible damage	Conforms to the requirement Conforms to the requirement
Slamming Test	No visible damage after 50 drops.	Conforms to the requirement
Glue adhesion Test	No delamination/ No single delamination of more than 50mm in length & more than 3mm in depth.	Conforms to the requirement
End immersion Test	No delamination 8 cycle-1 day wet & 1 day dry	Conforms to the requirement
Knife Test	Minimum Pass standard	Pass Standard
Screw withdrawal Test	Not less than 1000 N Surface condition: No visible damage to the surface either by delamination or extra chipping off	3000 N Conforms to the requirement
Buckling test (deflection in mm) After 5 minutes of 40 kg loading 15 minutes after load removal	No deterioration Initial Deflection not greater than 50mm Residual deformation after 15 minutes of unloading not greater than 5mm.	Conforms to the requirement.
Misuse test	No permanent deformation of the fixing or any other part of the door set in hindering. Its normal working after the test.	Conforms to the requirement.
Varying humidity test	No visible warping, twisting or delamination. Maximum departure from the general planeness not more than 0.1mm. Recovery- At least 90% of the change in dimension.	Conforms to the requirement

