

HIPPO
plywood

CRAFTED WITH
PRECISION
BUILT TO LAST

100% Boiling Water Proof



Hydroloc
TECHNOLOGY

 *Inside Out*
**termite
protection**



VIZAG IMPEX PVT LTD

**ONE SMALL DREAM.
ONE GIANT LEAP.**

Producing High-Performance Plywood from Generations, for Generations.

Incepted from the inconsistency in plywood industry between quality and price, and committed to serve with full throttle, Vizag Impex is all set to revolutionise the plywood trade with its innovative and advanced product line and comforting partner practices.

QUALITY ASSURANCE

At Vizag Impex, we are dedicated to maintaining our leading position in the Indian Plywood Industry by consistently delivering products that exceed expectations.

We understand the paramount importance of quality in today's competitive landscape, and therefore, we have integrated rigorous quality checks at every stage of our production process to ensure the delivery of flawless products.

CERTIFICATIONS

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With our unwavering dedication to producing plywood that is better than the best and our continuous pursuit of improvement, Vizag Impex aims to earn and retain the trust of our customers while enhancing satisfaction.

We strictly adhere to the highest quality standards, prioritize environmental sustainability, and uphold the utmost operational safety. As a result, we have achieved the highest certifications, including **ISO 9001:2000, ISO 14001:2004**

Our products carry certifications such as **IS:10701, IS:710, IS:5509, IS:303, and IS:1328 for plywood, as well as IS:1659 and IS:2202** for blockboard and flush doors, respectively.

These certifications attest to our commitment to quality, reliability, and adherence to industry standards.



HIPPO

plywood

FIRE WONT STAND A CHANCE AGAINST HIPPO FIREFOX PLUS PLYWOOD

Hippo FIREFOX PLUS PLYWOOD meets IS:5509 standards and offers superior fire resistance. Treated with proven fire-retardant chemicals, it's ideal for premium homes, public transport, and high-rise buildings, ensuring safety and compliance with IS 710 and IS:5509. Suitable for kitchens, auditoriums, and banquet halls, it's the top choice for interior woodworking in fire-sensitive areas



FIRE RETARDANT PLYWOOD,

100% WATER PROOF,

MARINE GRADE, IS:5509, IS:710

MADE WITH 100% HARD WOOD,

EUCALYPTUS CORE AND PANEL

TECHNICAL SPECIFICATIONS (IS:5509:2010)

	Dimensions	BIS Requirements	Observation Values
1.	Length	2440 + 6 0	2442mm
2.	Width	1220 + 3 0	1222mm
3.	Thickness	12mm ± 5%	11.80mm
4.	Squareness	2mm/1000mm	0.95mm
5.	Edge straightness	2mm/1000mm	0.50mm
6.	Workmanship & finish	As per clause 9.1 to 9.2	Satisfactory
Physical properties			
7.	Density	0.60 – 0.65	0.64
8.	Moisture contents	5 – 20%	10.25%
9.	Water resistance test Cyclic test 8 hours – 16 hours Boiling – drying 3 Cycles	Pass standard	Excellent
10.	Mycological Test	Pass standard	Excellent
11.	Static bending strength Along the grain M.O.E. Across the grain M.O.E. Along the grain M.O.R. Across the grain M.O.R.	Avg. – 5000N/mm ² Ind. – 4500N/mm ² Avg. – 2500N/mm ² Ind. – 2200N/mm ² Avg. – 40 Ind. – 36 Avg. – 20 Ind. – 18	5850 N/mm ² 4020 N/mm ² 3480 N/mm ² 2855 N/mm ² 47.80N/mm ² 36.40N/mm ² 27.25N/mm ² 20.35N/mm ²
FIRE RETARDANT TESTS IS : 5509 : 2000			
12.	Flammability	30 Min.	35 Min.
13.	Flame penetration	30 Min.	33 Min.
14.	Rate of burning	20 Min. (Wt. loss 30 to 70%)	28 Min.



- Lesser tendency of spark and ignite.
- Slow burning, having a decreased tendency of the fire to spread over the surface of the plywood.
- Low flammability and lesser smoke generation.
- Higher flame penetration time.



MARINE GRADE PLYWOOD, IS: 710 & GURJAN FACE AND GURJAN CORE VENEER

Hippo GURJAN 900 is a premium quality plywood manufactured to meet all architectural wood working requirements. It is manufactured with four times pressing technology with pure gurjan core and face veneers. Assembly of GURJAN 900 plywood is done by the auto core composer due to this there is no chance of manufacturing defects inside the plywood.

It is a high-performance product, manufactured in India's most advanced factory equipped with ultra modern machines from best and known machine suppliers. Every piece of GURJAN 900 Marine grade Plywood is made with high grade gurjan timber for increased strength and longevity, known for its inherent stability and resistance to warping.

It comes with 51 year WARRANTY against any manufacturing defect when used as per the specified terms and condition, this plywood ensures long-lasting performance in any application. With each veneer measured at 6.0% moisture content, the curing process is done using highly viscous Phenolic resin with a solid content of 60.0 %. Every Plywood is 4 times pressed under the controlled heat of 150°C and extreme pressure to compress the veneer-resin pack to obtain superior quality and durability.

Hippo GURJAN 900 Plywood is treated with specially formulated chemicals, to make each and every Plywood protected from 'Termite and Borer'.

SIZES: 8x4, 7x4, 8x3, 7x3

THICKNESS: 6mm, 9mm, 12mm, 16mm, 18mm, 25mm.

TECHNICAL SPECIFICATIONS

	Dimensions	ISI Requirements	Observed Values
1.	Length	2440 + 6 0	2442mm
2.	Width	1220 + 3 0	1222mm
3.	Thickness	19mm ± 5%	18.60mm
4.	Squareness	2mm/1000mm	0.96mm
5.	Edge straightness	2mm/1000mm	0.52mm
Physical properties			
6.	Density	0.65	0.651
7.	Moisture contents	5 – 15%	7.35%
8.	Adhesion of plies (in dry state)	Some adherent fibre distributed more or less uniformly	Satisfactory
9.	Adhesion of plies (in wet state)	do	Satisfactory
10.	Glue shear strength (in dry state)	Avg. – 1350N Ind. – 1100N	1425N 1188N
11.	Glue shear strength (in wet state)	Avg. – 1000N Ind. – 800N	1272N 930N
12.	Tensile strength	Along the grain Across the grain TOTAL	42.0N/mm ² 25.0N/mm ² 84.5N/mm ²
			60.05N/mm ² 40.20N/mm ² 100.25N/mm ²
13. STATIC BENDING STRENGTH (DRY STATE)			
	Along the grain M.O.E.	Avg. – 7500N/mm ² Ind. – 6700N/mm ²	8510 N/mm ² 7250 N/mm ²
	Across the grain M.O.E.	Avg. – 4000N/mm ² Ind. – 3600N/mm ²	4850 N/mm ² 4105 N/mm ²
	Along the grain M.O.R.	Avg. – 50 Ind. – 45	68 N/mm ² 55 N/mm ²
	Across the grain M.O.R.	Avg. – 30 Ind. – 27	48 N/mm ² 29 N/mm ²
14. STATIC BENDING STRENGTH (WET STATE)			
	Along the grain M.O.E.	Avg. – 3570N/mm ² Ind. – 3400N/mm ²	4520 N/mm ² 3750 N/mm ²
	Across the grain M.O.E.	Avg. – 2000N/mm ² Ind. – 1800N/mm ²	2890 N/mm ² 2230N/mm ²
	Along the grain M.O.R.	Avg. – 25 Ind. – 22	37 N/mm ² 25 N/mm ²
	Across the grain M.O.R.	Avg. – 15 Ind. – 13	21 N/mm ² 15 N/mm ²
15.	Retention of preservatives (ACC)	12kg./m ³	12.98kg./m ³
16.	Mycological Test		
	a) Show no separation sign.		Satisfactory
	b) Glue shear strength	Avg. – 1000N Ind. – 800N	1250 N 1010 N
	c) Adhesion of plies	Adherent fibre distributed more or less uniformly	Excellent

USP:

- 51 years warranty against any manufacturing defects
- Composed with auto core composer
- Extreme resistance to all climatic conditions
- Highly stable, Warp resistant
- Best Adhesion within Layers
- Double surface sanding for Superior surface smoothness
- Glue Line Protection and Preservative treatment
- High nail holding capacity

PURE
GURJAN



8x4 feet
CORE PANEL

zero GAP
INSIDE



Hydroloc
HYDROLOC



51 YEARS
WARRENTY





MARINE GRADE PLYWOOD, IS: 710, 100% EUCALYPTUS HARDWOOD & GURJAN FACE VENEER

Hippo MARINE 710 is marine-grade and 100% waterproof plywood manufactured with four-times press technology. It conforms to IS:710 specifications and exhibits excellent waterproof properties. Constructed with composed 8x4 feet core and veneer and assembled with an auto core composer to minimize the chance of any manufacturing defects. The use of an L-Shaped panel jointer machine during manufacturing enhances its bending resistance.

A single-stage, high solid content Phenol Formaldehyde resin is used for its manufacturing. MARINE 710 plywood is pressed at an extremely high temperature of 160 degrees Celsius and 400 lbs line pressure per square centimeter. This special product comes with a 35-year warranty against any manufacturing defects when used as per the specified terms and conditions.

Due to its manufacturing process and the raw materials used, this plywood can withstand any extreme weather conditions, fluctuating temperatures and humidity, alternate wetting and drying, and other adversities, making it ideal for marine applications and furniture and woodworking needs around coastal areas.

SIZES : 8x4, 7x4, 8x3, 7x3

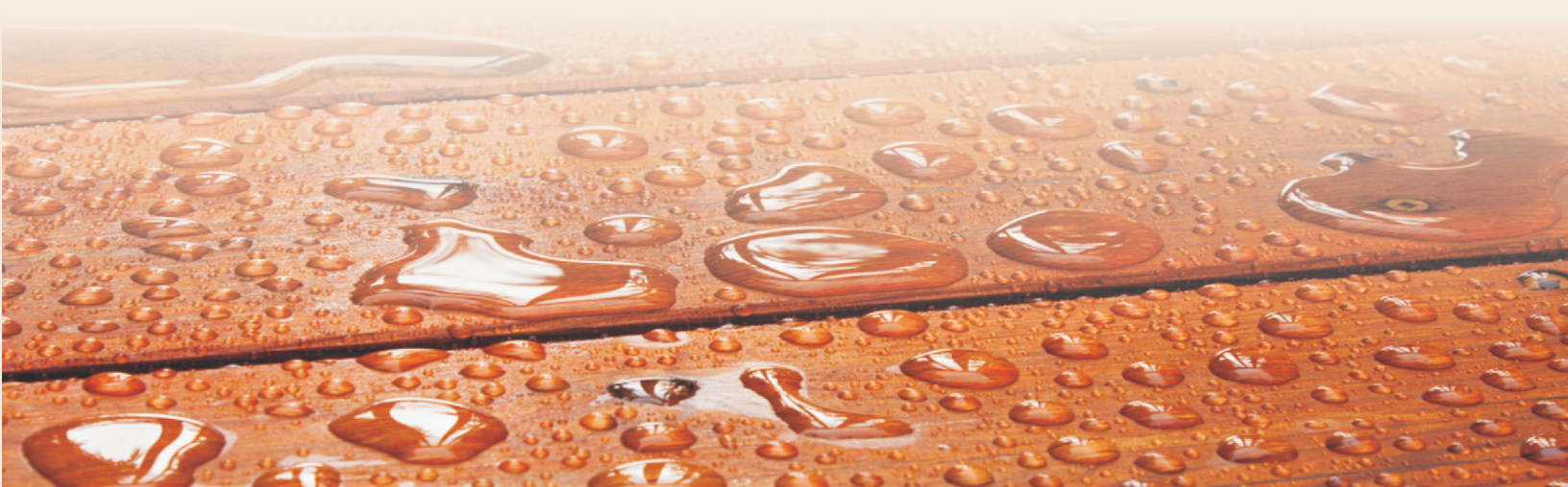
THICKNESS : 6mm, 9mm, 12mm, 16mm, 18mm, 25

USP :

- Club Class Architectural product
- Contains very high mechanical properties
- Reliable and safe for intended life of the structural component
- Capable of long term structural load
- Borer & Termite Proof, very high density
- J, Warranty against Delamination, Insect attack, bending

TECHNICAL SPECIFICATIONS (IS:710)

	TEST	ISI REQUIREMENT	Observed Value
1	Moisture Content	5% - 15 %	8%
2	Glue Sheer Strength (Dry State)	Min. Ind. 1100 N Min. Avg 1350 N	1350 N 1500 N
3	Adhesion to plies	Minimum Pass Standard	Excellent
4	Glue Sheer Strength (after 72 hrs. Boiling)	Min. Ind. 800 N Min. Avg 1000 N	1150 N 1250 N
5	Tensile Strength Along the grain - Across the grain - sum of Tensile strength -	4200 N / sq. mm 2500 N / sq. mm 8450 N /sq. mm	5500 N / sq. mm 3950 N / sq. mm 9400 N / sq. mm
6	Static Bending Strength		
a	Modulus of Rupture - Along the grain - Across the grain	50 N / sq. mm 30 N / sq. mm	65 N / sq. mm 40 N / sq. mm
b	Modulus of Elasticity - Along the grain - Across the grain	7500 N / sq. mm 4000 N / sq. Mm	8305 N / sq. mm 4170 N / sq. Mm



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Gold

710 PREMIUM PLY BOARD

MR GRADE PLYWOOD, IS: 303, 100% EUCALYPTUS HARDWOOD, GURJAN FACE VENEER

Hippo Gold 710, MR grade plywood is crafted for those seeking premium quality products within a budget. Engineered with highdensity timber and utilizing four times pressed technology, Hippo Gold 710 is the ideal plywood for interior woodworking projects. It is sourced from 100% Hardwood veneer peeled from sustainably managed EUCALYPTUS trees. Constructed with a hardwood core and panels.

Each Hippo Gold 710 Plywood undergoes 4 pressings at 130°C under extreme pressure to ensure consistent high-density quality. Hippo Gold 710 plywood meets IS:303 specifications and offers excellent resistance against termite and borer. Treated for termite and borer protection, it comes with a 10-year warranty against manufacturing defects. The bonding within Hippo Gold 710 plywood is achieved with high-solid-content melamine fortified synthetic resin, boasting a solid content of over 55%.

USP

- Dimensionally stable with exceptional structural strength.
- Exhibits excellent moisture-resistant properties.
- Resistant to warping due to the use of L-shaped panel jointer.
- Boasts a high nail holding capacity.
- Provides a smooth surface for lamination.
- Guaranteed 100% calibrated.
- Environmentally friendly product.



zero GAP INSIDE



8x4 feet CORE PANEL

10 YEARS WARRANTY

4 + 4 THERMALLY TREATED



HIPPO

plywood

भरोसा **Quality** का



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