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MARINE PLYWOOD



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| MARINE PLY | SHUTTERING PLY | CHEQUERED PLY | FLUSH DOORS | BLOCK BOARDS |





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Remarkable Quality... *Remarkable Products...*



SHERO PLYWOODS, an ISO 9001:2008 certified company, belongs to a group having wide ranged experience in wood based industries since 1993. SHERO PLYWOODS was set up with a vastly superior infrastructure equipped with new age technology and cutting edge facilities as a mark of our committed effort to supply quality products to the highly quality conscious market. Ultimate aim is to concentrate completely on the 100% water proof plywood manufacturing and to set a milestone in the making of Marine Plywood, Shuttering Plywood and Chequered Plywood. Products are marketed under the premium brand of SHERO PLY. Some of the other brands of our group available in the market are also produced from this modern manufacturing facility located at Industrial Development Plot at Andoor - Parassinikadavu. The wealth of expertise gained through 27 years of manufacturing wood products, coupled with an unwavering commitment to excellence have always put our products on top.


Absolute commitment to, and accent on better-than-the best Plywood has driven the company to consistently invest in research and technology. Naturally then, in no time SHERO PLY has been counted as one of the finest and frontrunner brand in the sector as it bears that stamp of excellence which sets a benchmark in terms of quality, reliability, durability, aesthetics and customer satisfaction etc.



SHERO CLUB PLUS MARINE PLY  



SHERO GOLD MARINE PLY  



SHERO REGAL MARINE PLY  


SHERO FLUSH DOORS  

SHERO SHUTTERING PLY 

SHERO CLUB MARINE PLY  

SHERO ROYAL MARINE PLY  

SHERO CLASSIC MARINE PLY  

SHERO BLOCK BOARDS  

SHERO CHEQUERED PLY

SHERO CLUB PLUS

SHERO CLUB PLUS Marine Plywood is made of imported Gurjan hardwood (Dipterocarpus) from the Myanmar Virgin forests which are older than 90 years. These species of Gurjan hardwood is rightly chosen to make SHERO CLUB PLUS Marine Plywood for its ability to withstand any attacks from the environment and its living beings. It is ideal for marine applications like construction and repair of boats, cooling towers, signboards, outdoor hoarding, portable cabins and shelters exposed to weather extremities, structural applications and premier interiors & exteriors.

SHERO CLUB PLUS Marine Plywood is manufactured under the guidance of wood scientists and experts striving to make the plywood that suits all weather conditions. Our ultimate aim remains understanding the needs of the customer to provide the plywood with maximum durability, stability, strength and resistance to all kinds of wood attacking insects. Our teams of experts and scientists have been working towards achieving the highest standard in the making of marine plywood giving priority to improvements in quality than the quantity.

SHERO CLUB PLUS Marine Plywood is hence a masterpiece from professionals with abundant experience and awesome expertise. Thorough experiments and periodical R&D ensure that SHERO CLUB PLUS Marine Plywood stands far above the rest and is truly beyond compare.



SHERO CLUB PLUS Marine Plywood is a high value product which is manufactured keeping in mind, the highly demanding marine applications and corrosive atmosphere of coastal and humid areas. It is suitable for all interior and exterior applications as it is highly durable in any climatic and pressure conditions.



SHERO CLUB PLUS

ESSENCE

GURJAN is the known species in the Plywood industry for its wide usage as Face veneer in the plywood manufacturing since decades. Many other species have failed to substitute GURJAN as its use in Face Veneers only due to its ability to provide maximum strength, sturdiness and durability to plywood.

SHERO CLUB PLUS Marine Plywood is completely made of only GURJAN veneers. All layers of plywood including Face Veneer and Core Veneer is GURJAN- making SHERO CLUB PLUS Marine Plywood the most durable, stable and strong plywood compared to other hardwood plywood available in the market. Irrespective of its natural ability to withstand any kinds of attacks from insects especially termites and borer, we give additional preservative chemical treatment to Gurjan veneers used in the making of SHERO CLUB PLUS Marine Plywood as a manmade shield to prevent any attacks from termites, borers, insects, pests etc.

We also give strict supervision to control the moisture content in the veneers by drying the veneers in an automatic mechanical dryer to maximize the compactness of fiber preventing any cracks or delaminating. This is done with the mechanical dryer or automatic kiln dryer.

SHERO CLUB PLUS Marine Plywood is highly resistant to marine organisms, extreme climatic changes and alternate wetting and drying, humidity and insect attacks.



GUARANTEE

Shero Club Plus is now offered with 10 times Money Back Guarantee for 33yrs. In the event of any unforeseen manufacturing defects occur during the life of the product, the company shall pay equal to 10 times the value of the affected portion of the product or the actual cost of reinstating the previous form of furniture or interior/exterior works including labour and materials, which ever is less. This is money back guarantee offered by company instead of product replacement. However customer may choose either product replacement or money back, on such occasions. The warranty becomes void if, any other branded plywood have been used with Shero Club Plus marine plywood.



SHERO CLUB PLUS

MAKING

SHERO CLUB PLUS Marine Plywood is bonded in an ultra modern heavy hydraulic press using specially formulated Phenol Formaldehyde Synthetic Resin prepared by us. The Glue line of SHERO CLUB PLUS Marine Plywood is also poisoned with eco friendly chemicals to completely wipe out all loopholes for any kinds of attacks by termites and borers. They are then subjected to special post manufacturing treatment to guard from Fungus and finally are loaded on to Vacuum Pressure Impregnator (VPI) to provide a total eco-friendly chemical insulation for gaining extra retention power against any micro organisms and to make it extremely durable in any weather and climatic conditions. They are then tested in Boiling Water for about 108 Hours.

The process by which SHERO CLUB PLUS Marine Plywood is manufactured has set a new standard in the field of marine plywood making for the future, and our endeavor will remain to serve our customers in the days to come innovating new ways to improvise the making of Marine plywood.

Hence, anyone can be rest assured with the installation of SHERO CLUB PLUS Marine Plywood for its long lasting ability only because of the way it is manufactured and delivered.



Technical Specifications

TEST	STD VALUE	RESULTS
Moisture content	5-15%	7.00%
Glue shear strength in dry condition	Ind. min. 1100 N Avg. min. 1350 N	1950 N 2210 N
Water resistance	Ind. min. 800 N Avg. min. 1000 N	1400 N 1650 N
Mycological test	Ind. min. 800 N Avg. min. 1000 N	1600 N 1700 N
Tensile strength		
Parallel to grain direction	Min. 325 Kgf./cm2	750 Kgf./cm2
Perpendicular to grain direction	Min. 225 Kgf./cm2	720 Kgf./cm2
Sum of both direction	Min. 600 Kgf./cm2	1200 Kgf./cm2
Modules of elasticity		
Parallel to grain direction	Min. avg. 7500 N/mm2	9500 N/mm2
Perpendicular to grain direction	Min. avg. 4000 N/mm2	7500 N/mm2
Modules of reputure		
Parallel to grain direction	Min. avg. 50 N/mm2	95 N/mm2
Perpendicular to grain direction	Min. avg. 30 N/mm2	62 N/mm2



SHERO CLUB

SHERO CLUB Marine Ply is completely made of only Gurjan veneers. All layers of plywood including Face Veneer and Core Veneer is GURJAN- making SHERO CLUB Marine Ply the most durable, stable and strong plywood compared to other hardwood plywood available in the market. SHERO Club Marine Ply is highly resistant to marine organisms, extreme climatic changes and alternate wetting and drying, humidity and insect attacks.

The adhesive used is unextended BWP Grade and has been fully treated with preservatives using organic chemicals. It is also glue line protected with organic chemicals.



Technical Specifications

TEST	STD VALUE	RESULTS
Moisture content	5-15%	8.00%
Glue shear strength in dry condition	Ind. min. 1100 N Avg. min. 1350 N	1900 N 2200 N
Water resistance	Ind. min. 800 N Avg. min. 1000 N	1400 N 1650 N
Mycological test	Ind. min. 800 N Avg. min. 1000 N	1550 N 1650 N
Tensile strength		
Parallel to grain direction	Min. 325 Kgf./cm2	740 Kgf./cm2
Perpendicular to grain direction	Min. 225 Kgf./cm2	710 Kgf./cm2
Sum of both direction	Min. 600 Kgf./cm2	1190 Kgf./cm2
Modules of elasticity		
Parallel to grain direction	Min. avg. 7500 N/mm2	9450 N/mm2
Perpendicular to grain direction	Min. avg. 4000 N/mm2	7450 N/mm2
Modules of reputure		
Parallel to grain direction	Min. avg. 50 N/mm2	92 N/mm2
Perpendicular to grain direction	Min. avg. 30 N/mm2	60 N/mm2

SHERO GOLD

SHERO GOLD Marine Ply is manufactured using Gurjan and selected hardwood species in alternative layers as per IS:710 standard specified by Bureau of Indian Standards (BIS). The adhesive used is unextended BWP Grade and has been fully treated with preservatives using organic chemicals. It is also glue line protected with organic chemicals.

It is fit for applications in kitchen & bathroom spaces as it can withstand climatic variations. It can also be used in Extreme Exterior applications like ship building etc.



Technical Specifications

TEST	STD VALUE	RESULTS
Moisture content	5-15%	13%
Glue shear strength in dry condition	Ind. min. 1100 N Avg. min. 1350 N	1600 N 1800 N
Water resistance	Ind. min. 800 N Avg. min. 1000 N	1260 N 1520 N
Mycological test	Ind. min. 800 N Avg. min. 1000 N	1420 N 1508 N
Tensile strength		
Parallel to grain direction	Min. 325 Kgf./cm2	710 Kgf./cm2
Perpendicular to grain direction	Min. 225 Kgf./cm2	700 Kgf./cm2
Sum of both direction	Min. 600 Kgf./cm2	1100 Kgf./cm2
Modules of elasticity		
Parallel to grain direction	Min. avg. 7500 N/mm2	9100 N/mm2
Perpendicular to grain direction	Min. avg. 4000 N/mm2	7250 N/mm2
Modules of reputure		
Parallel to grain direction	Min. avg. 50 N/mm2	92 N/mm2
Perpendicular to grain direction	Min. avg. 30 N/mm2	56 N/mm2

SHERO ROYAL

SHERO ROYAL Marine Plywood is manufactured with highly durable Red Gum veneers. Bonded at very high pressure and temperature with quality Phenol Formaldehyde Resin, it can withstand rigorous climatic conditions, alternate dry and wet weather. Shero Royal Marine Plywood is dimensionally stable and ideal for long lasting services.

It is specially made for those areas where temperature & humidity variations are maximum. It can be used for Interior, exterior and structural purposes. It can be used in various climatic conditions where humidity changes vigorously.



Technical Specifications

TEST	STD VALUE	RESULTS
Moisture content	5-15%	13%
Glue shear strength in dry condition	Ind. min. 1100 N Avg. min. 1350 N	1600 N 1800 N
Water resistance	Ind. min. 800 N Avg. min. 1000 N	1260 N 1520 N
Mycological test	Ind. min. 800 N Avg. min. 1000 N	1420 N 1508 N
Tensile strength		
Parallel to grain direction	Min. 325 Kgf./cm2	710 Kgf./cm2
Perpendicular to grain direction	Min. 225 Kgf./cm2	700 Kgf./cm2
Sum of both direction	Min. 600 Kgf./cm2	1100 Kgf./cm2
Modules of elasticity		
Parallel to grain direction	Min. avg. 7500 N/mm2	9100 N/mm2
Perpendicular to grain direction	Min. avg. 4000 N/mm2	7250 N/mm2
Modules of reputeure		
Parallel to grain direction	Min. avg. 50 N/mm2	92 N/mm2
Perpendicular to grain direction	Min. avg. 30 N/mm2	56 N/mm2



SHERO REGAL

SHERO REGAL Marine Plywood is manufactured with alternative layers of hardwood and Red Gum veneers. Bonded at very high pressure and temperature with quality Phenol Formaldehyde Resin, it can withstand rigorous climatic conditions, alternate dry and wet weather.

Shero Regal Marine Plywood is dimensionally stable and ideal for long lasting services. It is specially made for those areas where temperature & humidity variations are maximum.



Technical Specifications

TEST	STD VALUE	RESULTS
Moisture content	5-15%	13%
Glue shear strength in dry condition	Ind. min. 1100 N Avg. min. 1350 N	1600 N 1800 N
Water resistance	Ind. min. 800 N Avg. min. 1000 N	1260 N 1520 N
Mycological test	Ind. min. 800 N Avg. min. 1000 N	1420 N 1508 N
Tensile strength		
Parallel to grain direction	Min. 325 Kg./cm2	710 Kg./cm2
Perpendicular to grain direction	Min. 225 Kg./cm2	700 Kg./cm2
Sum of both direction	Min. 600 Kg./cm2	1100 Kg./cm2
Modules of elasticity		
Parallel to grain direction	Min. avg. 7500 N/mm2	9100 N/mm2
Perpendicular to grain direction	Min. avg. 4000 N/mm2	7250 N/mm2
Modules of reputeure		
Parallel to grain direction	Min. avg. 50 N/mm2	92 N/mm2
Perpendicular to grain direction	Min. avg. 30 N/mm2	56 N/mm2

SHERO CLASSIC

Shero Classic Marine Ply is the ideal choice for all interior and exterior applications like high class furniture, cupboards, partitions, wall panels etc. It is manufactured as per the IS 303 specification of Bureau of Indian Standards. They are bonded with superior grade Phenolic formaldehyde resin, hence they are highly resistant to weather, moisture, steam or dry heat. Further, glue line is treated with eco friendly chemicals to give protection against termite, borers and other micro organisms. All this makes SHERO CLASSIC virtually indestructible.



Technical Specifications

TEST	STD VALUE	RESULTS
Moisture content	5-15%	13%
Glue shear strength in dry condition	Ind. min. 1100 N Avg. min. 1350 N	1500 N 1750 N
Water resistance	Ind. min. 800 N Avg. min. 1000 N	1150 N 1450 N
Mycological test	Ind. min. 800 N Avg. min. 1000 N	1350 N 1470 N
Tensile strength		
Parallel to grain direction	Min. 325 Kgf./cm2	690 Kgf./cm2
Perpendicular to grain direction	Min. 225 Kgf./cm2	685 Kgf./cm2
Sum of both direction	Min. 600 Kgf./cm2	1000 Kgf./cm2
Modules of elasticity		
Parallel to grain direction	Min. avg. 7500 N/mm2	9000 N/mm2
Perpendicular to grain direction	Min. avg. 4000 N/mm2	7000 N/mm2
Modules of reputure		
Parallel to grain direction	Min. avg. 50 N/mm2	85 N/mm2
Perpendicular to grain direction	Min. avg. 30 N/mm2	50 N/mm2

SHERO SHUTTERING PLY

SHERO Film Faced Shuttering Plywood is an ideal replacement to conventional wooden or metal shuttering and formworks. It is the premium choice for superior architectural finish.

SHERO Film Faced Shuttering Plywood with high solid content in resin gives the necessary strength for heavy wear and tear during the concrete pouring. Shuttering jobs for construction projects call for plywood that can take a great amount of load. SHERO Film Faced Shuttering plywood is the true choice for all your architectural supports.

SHERO Film Faced Shuttering plywood resists alternative wetting & drying conditions and is very economical when we consider its re-use value. Manufactured as per the IS 4990 specifications of Bureau of Indian Standards, they have high tensile strength and resistance to withstand the loads and forces encountered during the pouring of concrete and vibrations. Only selected hardwood timber is used in the manufacture of SHERO Film Faced Shuttering Plywood. They can be used for all kinds of shuttering and centering work in construction of buildings, dams, bridges, beams and roofing.

SHERO Shuttering plywood is also available in Resin Coated variants for lighter shuttering works which are also manufactured as per the IS 4990 standards of Bureau of Indian Standards.



Mechanical Strength Properties			
Modulus of Rupture (kg / cm2)	9mm	12mm	19mm
Parallel to face grain	650	600	600
Perpendicular to face grain	450	500	500
Tensile Strength (kg / cm2)			
Parallel to face grain	425	400	375
Perpendicular to face grain	325	350	375



SHERO FLUSH DOORS

Shero Flush Doors stand for quality, strength and durability. Shero Flush Doors are manufactured strictly as per specifications laid down by the Bureau of Indian Standards(BIS)in IS: 2202 Part 1(1999).

Shero range of Flush Doors are kiln-seasoned & chemically treated to make them dimensionally stable, termite resistant, fungi free & weather proof. The best of core and face veneer is used in the manufacture of Shero Flush Doors. Only selected non-coniferous timbers specified in IS: 2202 Part 1 (1999) are used as timber battens and only Gurjan is used as Face veneer.

SHERO Flush doors have a solid Block Board Core with BWP grade cross bands & face veneers which are PF bonded in Hot Press Process with high temperature making them 100% Boiling Water Proof. They are also available in One side & Both Side Teak options as well as Resin Coated variants for the wet area applications.

SHERO BLOCK BOARD

Shero Block Boards are manufactured with Imported Pine Frame and Fillers with both Gurjan core veneers and selected hardwood core veneers. These are manufactured under the specifications of Indian Standards wide IS 1659 laid down by Bureau of Indian Standards(BIS). These are offered with replacement guarantee and are available in BWP or BWR grade.

SHERO CHEQUERED PLY

SHERO Chequered Ply is manufactured using imported Gurjan veneers and are bonded with superior grade Phenolic resin, under strict quality control. It possesses excellent strength, durability, and is compact and toughened quality structural plywood. Our unique manufacturing steps where pressed plywood veneer assembly is allowed to cool down its temperature in the hot press, increases its excellent properties for critical applications and provides a friction-resistant, anti-skid Chequered surface. SHERO Chequered plywood does not degrade against wear and tear, warping and twist free.

