NICE®
WOOD

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The Success Story

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This plywood with superb strength, enhances your living atmosphere. The company has kept roots in the segment as its team members and directors are experienced and technically sound in timber and plywood manufacturing line.

The location advantage provides matured plantation timber that gives long term durability and straightness to the entire range of plywood. The company has a track record of complaint free supplies to mega projects in construction and to the exporters of furniture line.

The company is known for its technical advancement and modern applications. Because of its good quality, the company got fastest ISI approval on most of its products. Being an ISO 9001 certified company, every step is taken to maintain superb quality control methods for its production.

The company has an ultra modern laboratory monitored by experienced chemists and IPIRTI trained staff.

shuttering ply

THE SHUTTERING PLY IS : 4990

NICE WOOD shuttering plywood is manufactured from veneers of well selected and strong hardwood. It is bonded with high quality liquid phenol formaldehyde synthetic resin manufactured at our resin plant confirming to IS 848: 1974 pressed with thermal setting hot press and treated with special quality preservatives. This unique process makes it ideally suitable for railing, screw holding, heat resistance, hardness property to bear all the toughest conditions. This product is having strong load bearing capacity, which prevents swelling during shuttering works. It offers re-usable value under careful care and proper handling.

NICE WOOD Film Face Shuttering Plywood is manufactured as per IS:4990 specification. This product is widely used in construction of buildings, bridges, cooling towers, water tanks etc. because it is strong and durable enough to withstand and encounter the load of concrete and vibrations caused while pouring the concrete. Severe pressure is used to make the product highly densified.

Using selected hardwood veneers, BWP grade of phenol formaldehyde resin-confirming to IS 848: 1974 is used for bonding. Permanent preservative treatment in a pressure impregnation plant is carried out to make it resistant to termites and other micro-organisms. After every stage of the production process, Strict quality measures are taken to maintain the high quality of our products.

NICE® WOOD

TECHNICAL SPECIFICATION (AS PER IS : 4990)

PROPERTIES	REQUIREMENT	TEST RESULTS
Moisture Content	5- 15 %	8- 10 %
Glue Shear Strength		
Dry State	1350 N	1525 N
Wet State	1000 N	1200 N
Adhesion of Plies (Knife Test)	Pass	Pass
Tensile Strength		
Along the Grain	32.5 N/mm^2	45 N/mm^2
Across the Grain	22.5 N/mm^2	38 N/mm^2
Modulus of Elasticity		
Along the Grain	8000 N/mm^2	9000 N/mm^2
Across the Grain	4000 N/mm^2	7000 N/mm^2

THE MARINE PLY IS : 710

NICE WOOD marine ply can withstand severe climatic conditions. In order to maintain good quality standard, quality veneers of uniform thickness are bonded with BWP grade of P.F. resin conforming to IS 848:1974. finally it is treated in a vacuum pressure impregnation plant, using specified quality of preservatives to render it resistant to marine organisms.

NICE WOOD Marine plywood has to be checked thoroughly for getting the assured quality. Although, routine vigilance of quality is done at every step but the team makes sure that every piece should undergo double checking by technically trained professionals. NICE WOOD marine ply can withstand rigorous climatic conditions, alternate dry and wet weather of coastal areas. This marine ply is dimensionally stable and ideal for long lasting services even in very humid and sea side areas. It can resist boiling water up to unexpected extent.

It can be widely used in bus and truck bodies, railway coaches, kitchen accessories, sign boards, paneling, partitions, bathrooms, for high quality furniture and other interior and exterior woodworking needs.

Sizes and Thickness

All standard thickness and sizes available.

Customized specifications are available on request.

NICE® WOOD

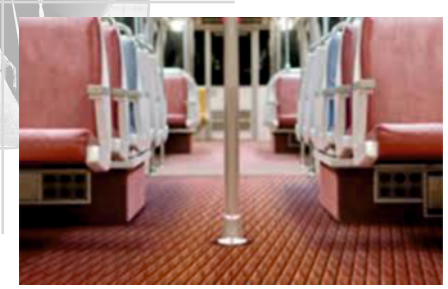
TECHNICAL SPECIFICATION (IS : 710)

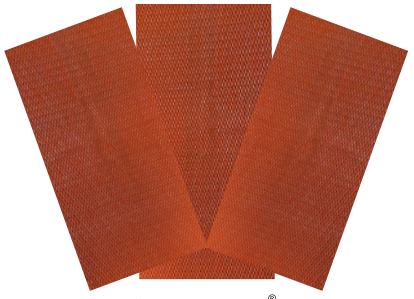
PROPERTIES	REQUIREMENT	TEST RESULTS
Moisture Content	5- 15 %	8- 10 %
Glue Shear Strength Dry State Wet State	 1350 N 1000 N	 1450 N 1250 N
Water Resistance Test	72 Hrs.in Boiling Water	Pass
Tensile Strength Along the Grain Across the Grain	 42 N/mm^2 25 N/mm^2	 52 N/mm^2 35 N/mm^2

STATIC BENDING				
Grade	MOE (N/mm2)	MOR (N/mm2)	MOE (N/mm2)	MOR (N/mm2)
Along the Grain	7500	50	8300	67
Across the Grain	4000	30	6000	45

marine ply

chequered ply





CHEQUERED PLYWOOD AS 109

NICE WOOD

Chequered plywood is a combination of high quality veneer panels treated with high viscous phenol formaldehyde resin, with a steel wire mesh and phenolic overlay with a GSM of 40 to 250 g/m2.Chequered plywood is a slip resistant. Our Chequered Plywood is a highly demanding product by transport applications. The base plywood of our chequered plywood is noramlly made of cross bonded 1.8 mm thick veneers. We use the large size core and panels for minimum core gap and smooth top surface impression. This also increases the bonding strength among the veneers and gives ultimte strength to product. A durable phenolic film is hotpressed on to the panel surface. Standard colour is Dark Brown / Black 220 g/m2. The reverse side is a smooth phenolic Brown / Black film. Chequered Plywood surface is always with smooth diamond-paterned. The surface is hard and withstands abrasion and rolling wear, is moisture resistant and can tolerate commonly used chemicals as well as diluted acids and alkalis. The surface is easy to clean with water or steam.

APPLICATIONS Our Chequered plywood is suitable for applications needed by automobile sector. Because of highly wear-resistant and rough surface the plywood facilitate and accelerate installation and provide structures with a high degree of rigidity. • Transport industry: Trailer, bus, truck and van floors, passenger car floors, railway wagon floors, container floors and ship decking • Building applications: warehouse and factory hall floors, parking facilities, loading docs, piers, stages and sport stands.

MAJOR ADVANTAGES • Durable and weather resistant overlay • Slip resistant wire mesh surface • Larger sizes with invisible joints • Strong and rigid • Light and dimensionally stable • Withstands impacts and other forms of bruising • Weather and boil proof bonding.

AVAILABLE DIMENSIONS : Standard thickness : 12mm and above Standard Size : 2440 x 1220 mm. Customize sizes are also available as per customer's requirement.

NICE® WOOD

Chequered Plywood

As per AS 109

PROPERTIES :

PROPERTIES	RESULTS	VALUE
Density	IS: 1708 (Part-2) – 1986	1.1
Moisture content and volatile content	IS: 1708 (Part-1) – 1986	9%
Water absorption in 24 hrs.	AS: 109.63 : Feb, 2003	3%
Cross breaking strength		
Along the grain	IS: 1998 ( ) : 1962	1300 kg/cm2
Across the grain		650 kg/cm2
Tensile strength		
Along the grain	IS: 1734 (Part-9) – 1983	900 kg/cm2
Across the grain		900 kg/cm2
Compressive strength	AS: 109: 63 Feb:2002	
Izode impact test	IS: 1708 (Part-I) – 1986	Pass the test
Parallel to laminate		65 kg/cm2
Perpendicular to laminate		40 kg/cm2
Swelling in boiling water after 8 hrs.	AS: 109: 63 Feb, 2002	10%

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An ISO 9001 Company

SHREE RAM WOOD INDUSTRIES

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