



www.royalcarino.com



Meeting Your
Expectations
Since 1955





Royal group of companies started as a small business venture in 1955, are delighted and proud of our legacy and continues the business in this modern era with the same ethos and ethical practices that has brought us so far.





THE KING OF DURABILITY

Carino

Carino offers several benefits over wood, in terms of attributes and cost. Having consistent cell structure and bond strength helps Royal Carino score this edge. Royal Carino PVC Foam Boards can be attached to each other or wood/laminates/veneers to render additional strength and thickness if your application demands so.

Carino PVC Foam Boards can be attached to each other or wood/laminates/veneers to render additional strength and thickness if your application demands so. In order to gain perfect finish and durability when doing so, we recommend the following adhesives.



PECULIARITY OF **CARINO?**

At present, Brand Carino offers a wide variety products of plywood, PVC sheets and MDF, Laminates with high quality products into the market as it expands. All our products are assured to be of high quality over a decade as to eliminate the threats available in the market for the product.

As for an eg: the quality of a perfect plywood can be assured from its manufacturing. Its said to be perfect when it includes a bonding of Gurjan, teak, mahagony, eucalyptus and other veneer sheets.

To create a perfect plywood sheet, 1st of all we need to ensure a top of the line dry mode by bonding high grade veneer, rare expertise. The high quality termite and borer proofing material is followed for protection and bonding. Later the best quality controlled bonding glue is applied in between the layers of each veneer sheet. Utmost good care is provided while placing the glue in between the layers of each veneer sheets, as the grains of one veneer sheet must run at a right angle to the grains of the next layer to prevent shrinkage and produce maximum strength.



OUR PRODUCTS

For every expression
we've designed a surface,
just for your decor.
Choose from our
wide range of premium
surface solutions.



THE
PRODUCT
RANGE



Currently, the products of brand Carino consists of plywood, PVC sheets, MDF, Laminates and Veneers with a lots of variations in its own ways.

PLYWOODS



PVC SHEETS



MDF SHEETS

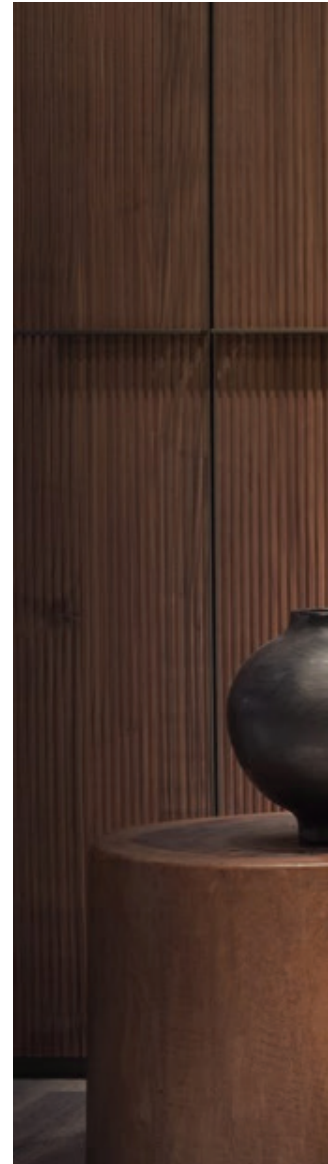
HMR MDF
LAMINATED MDF

VENEER

TEAK VENEER
MAHAGONY VENEER
AMERICAN WALNUT
WENGEE

LAMINATES

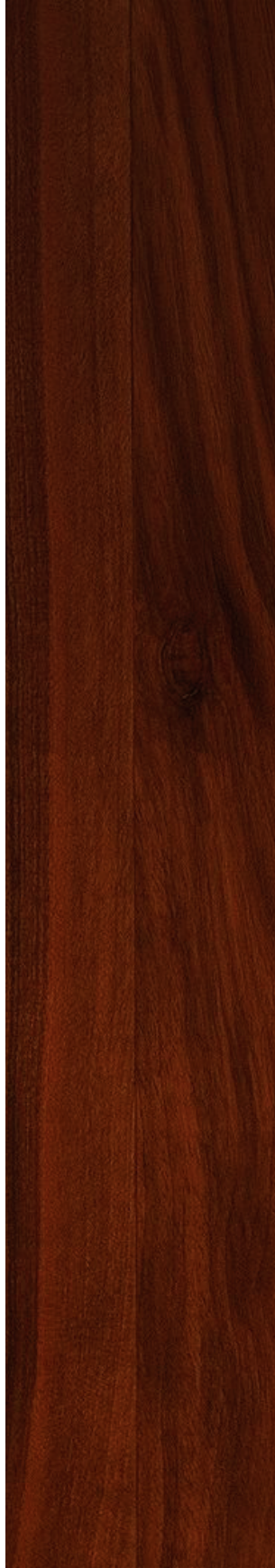
CARINO LAMINATES





CARINO PLYWOODS

Create your own space with our high quality plywood. Royal Carino provides you good quality plywood manufactured from thin layer or "plies" of wood veneer that are glued together with adjacent layer. This reduces the tendency of wood splitting when nailed at the edges, reduces expansion & shrinkage, provides improved dimensional stability & it makes the strength of the panel consistent across all directions. It is arranged in odd number of piles so that the sheet is balanced. This reduces warping. It has high stiffness perpendicular to the grain direction of the surface ply. Thus our plywood is resistant to cracking, breaking, shrinkage, twisting & warping. This is typically used for making furnitures, Floors, Walls, Roofs in home constructions, wind bracing panels, packages & boxes, fencing etc... We mark 'Quality' as our success stone.







Carino Prime, 100% best quality Burma gurjan hardwood timber is used in its manufacturing. It is subjected to permanent preservative treatment by vacuum impregnation due to its bonding with phenol formaldehyde resin. Thus, it is resistant to marine borer attacks and enables it to with std .saline water. It bears turbulent seas and its resistant to alternate wetting and drying due to its high strength.





Features

Calibrated as per ISI 710 Standards | 100% Imported Gurjan Veneer | High Density of 900kg/cubic metre All Season Proof | Glue Line Protection | Borer and Termite Proof.



Thickness & Sizes

Customized as per the consumer's preference. Also available in std thickness and size.



Application

Wood - working in ships and marine vessels basically uses Everest marine plywood. It is also used for bus and truck body, bathroom paneling, cooling towers, false ceilings, etc..

S.NO	REQUIREMENT / CHARACTERISTIC	SPECIFIED VALUE	OBSERVED VALUE
1.	<u>Dimension and tolerance</u>		
	Length	+6 mm, -0	2442
	Width	+3 mm, -0	1221
	Thickness	Less than 6 mm \pm 10% 6 mm or above \pm 5%	16.12
	Squareness	0.2% Max	0.06
	Edge Straightness	0.2% Max	0.05
2.	Moisture Content	5% to 15%	7%
3.	Workmanship & Finish	Satisfactory	Satisfactory
4.	Retention of Preservative	12kg/mtr ³	12.35
5.	<u>Mycological Test</u>		
	Edge of Speciman Glue Shear Strength Adhesion of Plies	No Separation Avg/min 1000/800 Pass Stand	Satisfactory 1290/1012 Pass
6.	Static Bending Strength	<u>MOR (N/mm²)</u> Avg/Ind Along the Grain - 50/45 Along the Grain - 30/27 <u>MOE (N/mm²)</u> Avg/Ind Along the Grain - 7500/6700 Along the Grain - 4000/3600	60/51 40/32 8100/6950 4620/4150
7.	Wet Bending Strength	<u>MOR (N/mm²)</u> Avg/Ind Along the Grain - 25/22 Along the Grain - 15/13 <u>MOE (N/mm²)</u> Avg/Ind Along the Grain - 3750/3400 Along the Grain - 2000/1800	42/31 29/18 4250/3950 3325/2470
8.	Glue Shear Strenght In Dry State Adhesion of Plies	Avg - 1350 N Ind - 1100 N Pass Stand	1650 1275 Excellent
9.	Water Resistance Test Adhesion of Plies	Avg - 1000 N Ind - 800 N Pass	1260 975 Excellent
10.	Tensile Strength	Parallel to Grain - 42 N/mm ² Across the Grain - 25 N/mm ² Total - 84.5 N/mm ²	49 38 87



Carino Architect, a rare brand manufactured using the highest imported quality gurjan veneer. It provides additional termite and borer protection due to its special zero core gap and unique glue line protection prior to pressing. This makes the brand the most premium plywood available.



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Carino Marine a fusion of highest quality imported gurja veneer and specially hand-picked hardwood is used for its manufacturing. The bonding of phenol formaldehyde resin and special zero core gap unique glue line protection makes it 100% termite and borer proof. Its a tough plywood with one of the highest quality parameters.



Features

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Carino classic is a toughest plywood made for rough and tough life. Its adaptable to all extreme weather conditions due to its marine grade boiling water proof resin. It is long lasting and has high strength. Its a better solution for all the luxury and cheap projects also due to its feasible cost.



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Carino Extreme PVC foam sheets, a supreme choice for multiple uses in interiors, whichever be it, commercial, homes, hotels, hospitals or other institutions as they should be free from glues and resins.

Its waterproof and stable in nature. They are becoming the fastest favorite substitutes for other various interior decorations and other

Features

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Density of 900kg/cubic metre All
Season Proof | Glue Line Protection |
Borer and Termite Proof.



Carino PRO PVC foam sheets, a supreme choice for multiple uses in interiors, whichever be it, commercial, homes, hotels, hospitals or other institutions as they should be free from glues and resins.

Its waterproof and stable in nature. They are becoming the fastest favourite substitutes for other various interior decorations and other.

Features

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Carino Elite pvc foam sheets are flexible in nature with multiple uses. With their inherent toughness and long life they are suitable for a wide variety of applications. Carino Elite PVC sheets allow interior designers, architects, contractors etc. To discover a new path in their creativities. This was not possible earlier either by any fortune or spending huge amount for this or not having a medium like this.

Features

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Carino PVC foam sheets found its usage in wide variety of applications mostly from the outer covers of PVC bathroom doors, roofing sheets and construction industry.

Most of the materials are substituted by PVC foam boards because they are cost - effective and longer term substitute.

Features

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OUR SINCERE **THANKS** TO,

Carino convey their humble gratitude towards all its well wishers and stakeholders for their wholehearted support.

Your valuable feedback and suggestions not only helped us to improve our brand, also to pursuit a lots of products to its ultimate goal.

We extend our sincere thanks to the interior designers, contractors, furniture makers for their valuable tips on optimum strength, finishing, adaptability to different procedures (such as laminating, painting, varnishing, etc.) and other product properties for various usages.

We praise every carpenter who gave us feedback on ease of sawing, nailing, gluing, long lasting quality and finishing. Their creatives, experiences, hard work gave us insights that no amount of R&D could ever achieve.

We are grateful to you for your guidance and support, and for more and more achievements we had made in our products' with your gratefulness.

To all of you, who had been with us all the time since we had started our journey, who has never left us apart even in our crisis situations, we say thank you from the bottom of our heart.



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