

Profile

Galaxy Plywood Ind. Pvt. Ltd. is working on the ladder of gradual improvement and growth under the guidance of Mr. R.L. Aggarwal & Mr. J.K. Bihani the Directors. Their experience of 20 years in Jenny Plywood Ind. Ltd. (One of the leading plywood industry of India at Arunachal Pradesh) is the continual source of motivation for the IMPERIAL Group.

With State-of-the-Art establishment and collective effort the company has made a remarkable stand through its brand.

IMPERIAL BE it for the soft interiors or heavy constructions, the brand offers a range of plywood that meets the stringent requirements for ultimate customer satisfaction.

IMPERIAL is the quality mark in plywood for the craftsmen, architect or the domestic user. Its every product is meticulously manufactured of

- Choice timbers; indigenous as well as global
- Automatic peeling plant
- In-house resin plant (for formaldehyde bonding)
- 12 day-light, 900 tons hydraulic press (guarantees high density plywood)
- Vacuum pressure impregnation plant

The main motto of the company remains to deliver the same or better quality & services to satisfy the customer desire in the future.

Here is the display of our exclusive range of products:-

- M.R. Grade Plywood
- B.W.P. Grade Plywood
- Block Board
- Decorative Plywood
- Marine Plywood
- Shuttering Plywood
- Flush Door

Imperial Marine Plywood

Imperial Marine grade plywood is produced from uniform quality veneer selected from hardwood species. The veneer is bonded with phenol formaldehyde BWP grade resin under high temperature and pressure. Plywood is treated with water-soluble fixed type preservation under vacuum pressure, to ensure protection from attack by marine organism. This specific stress

relieving treatment is also given to check anti-wrap properties of plywood, which make them dimensionally stable in both excessive wet and dry condition throughout its life.

Strength data of IMPERIAL plywood

Specific Gravity: .65 to .75

Nail holding strength: Above 100 kg

Screw holding strength: 250 kg

Bending strength

Along the grain: 400 kg F/cm²

Across the grain: 325 kg F/cm²

Tensile strength

Along the grain: 400 kg F/cm²

Across the grain: 250 kg F/cm²

Moisture content: 8% + 2%

Boiling water resistant: 72 hrs at 100°C

Advantage:

IMPERIAL Marine Plywood is available with ISI mark 710 CML NO. 9307778

It is borer, proof borer proof and powder proof.

It is economical in comparison to other products due to durability.

Application

- Ship Building
- Truck and Bus Body
- Cooling Towers
- Interior / Exteriors use
- Elegant Furniture
- Kitchen Cabinet

Available in size / range (All measurements in mm)

Length

Width

Thickness

| | | |
|------|-----------|--------------------------------------|
| 1840 | 920, 1220 | |
| 2140 | 920, 1220 | 3, 4, 5, 6, 8, 9, 12, 15, 18, 21, 24 |
| 2440 | 920, 1220 | |

Shuttering ply

Galaxy Shuttering plywood is manufactured for special applications only. The qualitative & unmatched long lasting life of the shuttering plywood is sophisticatedly applied with 170 GSM phenolic films on both the sides to give superfine mirror finish to the surface and to provide a resistive layer to prevent water penetration into the plywood.

The superfine quality of shuttering plywood graces all civil construction firms for casting concrete slabs, beams & column boxes for a mirror finish output. This finish require no further furnishing of surface if shuttering used carefully during application. Civil engineering firms of repute across the country are our esteemed clientele.

Advantages

IMPERIAL Shuttering plywood is available with IS : 4990 DML No. 9337787

Technical Specification

Bending Radii (Cm):-

| Thickness | 6mm | 9mm | 12mm |
|-----------------------------|-----|-----|------|
| Parallel to face grain | 125 | 215 | 330 |
| Perpendicular to face grain | 90 | 165 | 255 |

Density: Approximately 0.7 gms / cc

Maximum load permitted (Kg/m²)

(Maximum permitted deflection as 1 : 1270 viz. 1/270 of the span between the bearers)

| | Span | 30 cm | 40 cm | 50cm | 60cm |
|-----------------------------|------|-------|-------|------|------|
| Parallel to face grain | 9mm | 760 | 320 | 195 | 110 |
| | 12mm | 1220 | 540 | 390 | 170 |
| Perpendicular to face grain | 9mm | 1270 | 540 | 320 | 170 |
| | 12mm | 1950 | 850 | 640 | 360 |

If wet boards are used, the load shown above should be reduced to 75%.

| Standard sizes (in meters) | Thickness (in mm) |
|--|--------------------------|
| 2.44 x 1.22, 2.14 x 1.22, 1.84 x 1.22, 2.44 x 0.92, 2.14 x 0.92, 1.84 x 0.92. | 4, 6, 9, 12, 16, 19. |

M.R. Grade Plywood

Manufactured as per IS : 303 specification 'IMPERIAL' the premium quality M.R. Grade Plywood caters to every need of customer. Its excellent quality perfectly matches the economical frame. With a normal & minimal climatic alteration, 'IMPERIAL' Plywood is best recommended to grace all interior applications that includes office & computer room furniture, your dwelling place and business establishments.

B.W.R. Grade Plywood

This premium quality of 'IMPERIAL' B.W.R. conforms to the IS : 303-1989 standardization. It has been manufactured from selected stress and satin free hard wood within house manufactured PF resin. 'IMPERIAL' is resistible to extreme weather conditions like heavy moisture content of air, dryness, unbeatable heat, dense fog and all adverse atmospheric changes. Its best applicable place starts from automobile frames, railways, bus coaches to kitchen cabinets, bathroom furnishing, exterior hoarding, sign board & even dining table top.

Technical Specification

| | |
|-----------------------------------|---------------------------|
| Density | Approximately 0.7 gms /cc |
| Glue shear strength (Dry) | Minimum 135 kg. |
| Glue shear strength (Wet) | Minimum 100 kg |
| (After 72 hours boiling at 100oC) | |
| Tensile strength | Approximately 600 Kg / cm |
| Moisture content | 7-12% |
| Swelling in water | Less than 1% |
| Screw holding strength | Approximately 260 Kg. |
| Nail holding strength | Approximately 60 Kg. |
| Bending strength | 420 Kg / cm |

Standard sizes (in meters)

2.44 x 1.22, 2.14 x 1.22, 1.84 x 1.22,
2.44 x 0.92, 2.14 x 0.92, 1.84 x 0.92.

Thickness (in mm)

4, 6, 8/9, 12, 15/16, 18/19.

Block Board

Seasoned Newzeland Pine / Popular wood is effectively treated with chemicals to manufacture premium quality brand of 'IMPERIAL' Block Boards. Selected imported hardwood veneer on it gives the board high mechanical strength and high screw holding capacity. Block Boards are pressed under high temperature and pressure and are bonded with superior grade resin, resulting in a product with high dimensional stability and excellent insulating properties. 'IMPERIAL' Boards are weather proof and do not twist under wood working conditions. Fixed type preservatives are used in our boards to make them resistant to borers & termites. The boards are available in both interior & exterior grades.

M.R. COM (Interior Grade): Block boards are bonded with superior grade melamine urea formaldehyde resin which gives our boards an advantage over other commercial grade boards. This use of resin gives our boards enough strength to resist warm water upto 8 hours.

B.W.P. COM (Exterior Grade): Block boards are bonded with superior grade phenol formaldehyde resin which makes our product 108 hrs. Boiling Water Proof at 100oC in place of conventional 72 hrs.

Technical Specification

Static bending strength

| | M.R. COM | B.W.P. COM |
|------------------------|-----------------------|-----------------------|
| Modules of rupture | 45N/mm ² | 55N/mm ² |
| Modules of elastically | 4500N/mm ² | 5500N/mm ² |

Density: Approximately 0.68 gms /cc

Maximum load permitted (Kg/m²)

(Maximum permitted deflection as 1 : 1270 viz. 1/1270 of the span between the bearers)

Standard sizes (in meters)

2.44 x 1.22, 2.14 x 1.22, 1.84 x 1.22,
2.44 x 0.92, 2.14 x 0.92, 1.84 x 0.92.

Thickness (in mm)

16, 19, 25 & 30

Decorative Plywood

‘**IMPERIAL**’ decorative plywood is ideal, both for interior paneling and decoration and is available in a wide choice of colours. Made from natural veneers of Indian and imported variety. Our plywood offers radiant surface that can also be polished (both glossy or matt). While our manufacturing process augments our products with anti-wrap properties and make them dimensionally stable. And finally our chemical treatment against termites, white ants fungus and other micro-organism ensures that our plywood remains a part of the décor for life.

Advantage

‘**IMPERIAL**’ decorative plywood is fire proof, boiling waterproof and powder proof.

‘**IMPERIAL**’ decorative plywood is available in both natural teak and Italian teak.

‘**IMPERIAL**’ decorative plywood available with IS : 1328 CML No. 9307879.

Application

- Furniture
- Partitions
- Flooring
- Counters
- Panelling
- Ceiling
- Wardrobes

Available in size range (All measurements in mm)

| Length | Width | Thickness |
|--------|----------------|-----------------------------------|
| 1840 | 760, 920, 1220 | - |
| 2140 | 760, 920, 1220 | 3, 4, 6, 8, 9, 12, 15, 18, 21, 24 |
| 2440 | 760, 920, 1220 | - |

Flush door

Our flush doors are of guaranteed quality, structurally strong & dimensionally stable for both internal & external uses. Excellent quality flush door are manufactured from select timber and are of should core construction. Doors are framed in seasoned hard wood battens and pressed at high pressure with phenol formaldehyde. Our flush doors act as insulations against heat and sound.

Advantages

It is fire proof, boiling water-proof and powder proof.

It is economical in comparison to other products due to durability.

IMPERIAL Flush Door is available with IS : 2202 DML No. 9331169

Applications

| | |
|---|---|
| Solid Core Flush Doors | Where strength is of prime importance |
| Cellular and hollow Core Flush Doors | Where elegance, privacy and light weight is of prime importance |
| Decorative Flush Doors | Widely used for entrance and living area doors. |
| Resin coated and Film Faced Flush Doors | Ideal where splashing is common such as toilets, bathrooms and balcony doors. |