



BROWN WOOD PANEL





Why **choose** Brown Wood Panel?

At Brown Wood Panel, we take pride in being your trusted partner in the world of plywood and wooden panel solutions.

We have established ourselves as a premier player in the Industry since 2021 dedicated to delivering top-quality wood products that stand the test of time.

Our Commitment to Quality

Our commitment to quality is at the core of everything we do. We source the finest raw materials from sustainable forests, ensuring that every product we offer is not only beautiful but also environmentally responsible.

Brown Wood Panel's range of plywood and wooden panels undergo rigorous quality checks at every stage of production to meet the highest industry standards.



Vision & Mission



We are committed to the age old virtues of ethics and honesty, that's the foundation of all our activities. Everything from our mission, philosophy, products and quality policy, bear testimony to this inherent value system that forms the backbone of our company.

Over the last 3 Years, the company has consistently evolved, innovated and achieved many quality landmarks. Today, it enjoys the trust and confidence of hundreds of thousands of loyal consumers across the country. But we have no time to pause and rest on our laurels. We are constantly endeavouring to better ourselves and fine tune our offerings to service the changing needs of our consumers.

The future lies ahead. We are determined to forge stronger bonds with our consumers, and continue to provide the quality and service that you have come to expect from us.



MR Plywood



TECHNICAL DETAILS (IS : 303)

PROPERTY	REQUIREMENT	RESULT
Moisture Content	5-15%	6-10%
Shear Strength in Dry State		
Average Min.	1350/1000 N	1600/1300 N
Individual Min.	1100/800 N	1400/1000 N
Shear Strength in Wet State		
Average Min.	1000/800 N	1300/1000 N
Individual Min.	800/650 N	1000/900 N
Shear Strength in Mycological Strength		
Average Min.	1000/800 N	1300/1000 N
Individual Min.	800/650 N	1000/900 N

Strict quality control in the making of Product MR Grade and severe climatic changes. All the core are tenderized on imported machines to allow for the natural expansion or contraction of fibres. The resultant furniture becomes strong and durable enough to stand the test of time.

ADVANTAGE

Our plywood range is primarily environment friendly. It is easy on tools and can hold screws and nails with precision. Our plywood is dimensionally stable to guarantee an excellent finish, thus making for surfaces that carry a smoothness ideal for polishing and laminating.

USPs

Our plywood range is made out of seasoned timber, which is naturally resistant to Termites, Fungus, Borers and other Wood-destroying organisms. As an extra precaution, the resins used in the bonding are treated with the best quality preservatives, which inherently repel termites and wood-boring insects.

BWR Plywood



Made from quality wood using selected hardwood veneers of uniform thickness and liquid PF Resin. Quality combination of imported and Indian Veneers-bonded together to create a sturdy ply. Chemically treating the ply against termites and borers. Stress-relieving processes by use of superior grade hardwood & other production processes augment the antiwarp properties - keeping the product stable throughout its life.

ADVANTAGE

BWR Plywood withstands severe climatic and weather conditions. Its chemical additives prevent de-lamination and protect the plywood from micro-organisms. It is best suited for Kitchen Cabinets, Elegant Interiors & Attractive Furniture.

USPs

Our plywood range is made out of Alternate/Hardwood, which is naturally resistant to Termites, Fungus, Borers and other Wood-destroying organisms. As an extra precaution, the resins used in the bonding are treated with the best quality preservatives, which inherently repel termites and wood-boring insects.

TECHNICAL DETAILS (IS : 303)

PROPERTY	REQUIREMENT	RESULT
Moisture Content	5-15%	6-10%
Shear Strength in Dry State		
Average Min.	1350/1000 N	1600/1300 N
Individual Min.	1100/800 N	1400/1000 N
Shear Strength in Wet State		
Average Min.	1000/800 N	1300/1000 N
Individual Min.	800/650 N	1000/900 N
Shear Strength in Mycological Strength		
Average Min.	1000/800 N	1300/1000 N
Individual Min.	800/650 N	1000/900 N

BWP Plywood



TECHNICAL DETAILS (IS : 710)

PROPERTY	REQUIREMENT	RESULT
Moisture Content	5-15%	7.2%
Glue Shear Strength in Dry Condition		
Individual Min.	1078.7 Newton	1450 Newton
Average Min.	1323.9 Newton	1700 Newton
Glue Shear Strength after Wet Condition		
Individual Min.	784.5 Newton	1250 Newton
Average Min.	980.7 Newton	1420 Newton
Glue Shear Strength in Mycological Test		
Individual Min.	784.5 Newton	1120 Newton
Average Min.	980.7 Newton	1300 Newton
Tensile Strength		
(a) Parallel to Grain Direction	Min 420 Kgf./cm ²	645 Kgf./cm ²
(b) Right angle to Grain Direction	Min 250 Kgf./cm ²	395 Kgf./cm ²
(c) Sum of both Directions	Min 845 Kgf./cm ²	1040 Kgf./cm ²

Our BWP Plywood can withstand several conditions. In order to maintain good quality veneers of uniform thickness are 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.

Our BWP 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. BWP Plywood can withstand rigorous climatic conditions, alternate dry and wet weather of coastal areas. This BWP Plywood 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.

ADVANTAGE

Our BWP Plywood is best suited of both interior & exterior woodworking needs.

BWP Block Board



When you need greater nail holding and load bearing capacity in wood. Our blockboard offers a smart solution. Combining the strength of solid wood, the smoothness and finish of the fine bonded Pine/Hardwood blockboards are ideal for a wide variety of applications.

ADVANTAGE

Our Blockboards use a Pine/Hardwood batons of upto 30mm width. These batons are seasoned under controlled parameters of temperature of humidity conformity to IS:1141- 1993 Blockboard are also protected against termites and insects.

Blockboards are available in two grades :

A) MR interior grade blockboard & decorative type. Bonded with good quality material Urea formaldehyde Resin.

B) BWP exterior grade blockboard & decorative type: Bonded with superior quality Phenol Formaldehyde Synthetic Resin.

TECHNICAL DETAILS (IS : 1659)

PROPERTY	REQUIREMENT	RESULT
Moisture Content	5-15%	8-10%
Change caused by Humidity	Not more than + 1mm	Less than 0.6mm
Adhesion of Piles	Excellent	Excellent
Water Resistant	3 hrs. at 60°C± 2°C 72 hrs. at 100°C	More than 72 hrs. at 100°C
Mycological Test	1 Cycle of 21 days	21 days each without any
Modulus of Rupture		
Average	40/50 N/mm ²	45/55 N/mm ²
Min. Individual	34/42 N/mm ²	45/55 N/mm ²
Modulus of Elasticity		
Average	4000/5000 N/mm ²	4500/5500 N/mm ²
Min. Individual	3400/4200 N/mm ²	4200/4800 N/mm ²

Flush Door



Our Flush doors have the real and tough inside. Its wide frames are made up of 100% pine wood/ hardwood which gives a super strong structure that goes on for centuries and decades. Our flush doors are made with proper care and are available in 25mm, 30mm, 35mm, 40mm all sizes. Flush doors made are completely as per guidance of IS:2202, are the favourite of architects and household owners who are using to protect their house from the last few years. Many art of architectures are laced with our flush doors reveals the story of our success.

MANUFACTURING DETAILS

Manufactured from selected timber & solid core construction. Doors are framed in seasoned hard wood battens & pressed at high pressure with urea formaldehyde.

TECHNICAL DETAILS (IS : 2202)

PROPERTY	REQUIREMENT	RESULT
General Flatness	<6.0mm	<4.0mm
Local planeness	<0.5mm	<0.3mm
Impact indentation	<0.2mm Max Deflection -<5.0mm	<0.2mm Max Deflection -<3.0mm
Shock resistance test	Should withstand 5 blows	Can withstand 25 blows
Misuse test	Pass	Excellent
Dimensions Squareness and Length	Length width: +/-5mm Thickness: +/-1mm Squareness: 1mm on a length of 500mm	Length width: +5mm Thickness: +1mm/-0.2mm Squareness: <1mm on a length of 500mm
End immersion test	Should have no delamination at the end of test	There is no de-lamination at the end of test
Knife/Glue adhesion-test	Pass	Excellent
Screw withdrawal	>1000N	

Shuttering Plywood



Made from carefully selected hardwood, and bonded with superior quality Phenol Formaldehyde Synthetic Resin (conforming to 4990) at elevated pressure and temperatures. Subsequent treatment by the vacuum pressure impregnation process with fixed type preservatives makes our film face shuttering plywood extremely durable and confers a high degree of reusability.

TECHNICAL DETAILS (IS : 4990)

PROPERTY	REQUIREMENT	RESULT
Moisture Content	5-15%	8-10%
Glue Shear Strength		
Dry State	1350 N	1525 N
Wet State	1000 N	1200 N
Adhesion of Piles (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

Fire Retardant Plywood



Made from uniform quality veneer, selected from hard wood species. Veneers are bonded with phenol formaldehyde BWP Grade resin under high temperature & pressure using pre pressed technology. Treated with fixed type preservatives under vacuum pressure to ensure protection from attack by micro organisms. Specific stress receiving treatment given to check anti-warp properties which keeps it dimensionally stable in both excessive wet & dry condition through out its life.

ADVANTAGE

- (1) Limited density (Average value for Poplar and Eucalyptus 600 kg/m^3)
- (2) Smooth and homogeneous surfaces
- (3) Light and uniform colour
- (4) Screw and nails hold firmly
- (5) Very good density/Performance ratio
- (6) Low opacity of smoke emission
- (7) Low toxicity of combustion gases

Fire Retardant Door



As per the statutory requirement for high rise buildings Brown Wood Panel provides its customers with Fire Retardant Doors. These doors are constructed as per: These doors are vacuum impregnated with chemicals as per IS standards to give fire ratings of half hour, one hour and two hours.

ADVANTAGE

- (1) Protects from Heat, Smoke & Flame. (Interlaced with heat resistant insulation filter so that excessive heat and smoke do not pass on from one side to other side.)
- (2) Non-metallic Asbestos free, Non-Harardous and Eco-Friendly materials and manufactured as per International guidelines
- (3) Original imported fire rated glasses; heat activated intumescent seals, non-combustible boards and other components
- (4) Medium in weight - Neither too light nor too heavy
- (5) Highest screw holding capacity among all kinds of Fire Doors
- (6) Easier to maintain when compared with fire check doors of other materials
- (7) Wear resistant and sturdy enough for rough handling
- (8) Excellent sound insulation and acoustic properties suitable for Auditorium, Hospitals etc



Our

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Co-Brands

- **Aegon Ply**
- **Gold Brown Ply**
- **Airtech Ply**
- **Raid Wood Ply**
- **Morphy Ply**



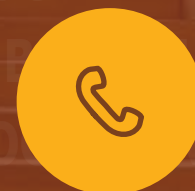
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