

STRONGER
THAN YOU
THINK



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WE ARE



DURBI Plywood is known for its excellent quality and long life. It is manufactured with utmost care in State of the art manufacturing plant which is equipped with latest machineries and technology. Durbi plywood believe to provide not only quality products but even offering best business relations and after sales service. We produce wide range of Plywood which is unparalleled in strength and durability. Quality is very core and fundamental aspect of each product and all processes we undertake.



During production, all the products are stringently checked at every step to ensure that they are at par with the ISI standards and its specified parameters. An independent quality division undertakes inspection wherein our experienced team of quality analysts and supervisors constantly ensure zero defect products. All the products that we procure undergo a random batch inspection. For efficient and accurate checking, we are equipped with all the latest QC and R&D equipment and personnel..

DURBI PLY RANGE



EMPOWERED WITH



USP

TESTED AND TRUSTED FEATURES
FOR A INCOMPARABLE PLYWOOD



BEST DIMENSIONAL
STABILITY



100% GUARANTEED
THICKNESS



100%
DEFECT FREE



QUALITY
DOUBLE-CHECKED



HIGH LOAD
BEARING CAPACITY



WATER PROOF
MARINE PLYWOOD



ALL WEATHER
RESISTANT



TERMITE, BORER,
FUNGUS RESISTANT



HIGH NAIL AND SCREW
HOLDING CAPACITY



WIDER
CORE & PANEL

During the assembly of a plywood, resin coated core veneers are placed along with dry wood panels. The assembled core and panels are then placed in hydraulic hot press at defined temperature and pressure. When pressure is applied then resin should penetrate the core and panel vertically for stronger bonding.

In a normal plywood, which is bonded with faulty resin, the movement of resin occurs in horizontally not vertically which result the poor bonding of core and panel. Plywood made with this process have poor strength and minimum life.

DURBI plywood is made with DRIP (Deep Resin Infusion in Panels) technology. In this technique the resin is made with specific formulation due to which resin has high solid content and specific viscosity. Due to specific viscosity resin circulate vertically in core and panel and provide a super strong bonding between core and panel. Due to DRIP technology resin circulate 360 degree and provide long life and strength to plywood.



STRONGLY BONDED WITH



BENEFITS OF 360° DEGREE RESIN CIRCULATION

Durbi Ply with 360 degree resin circulation

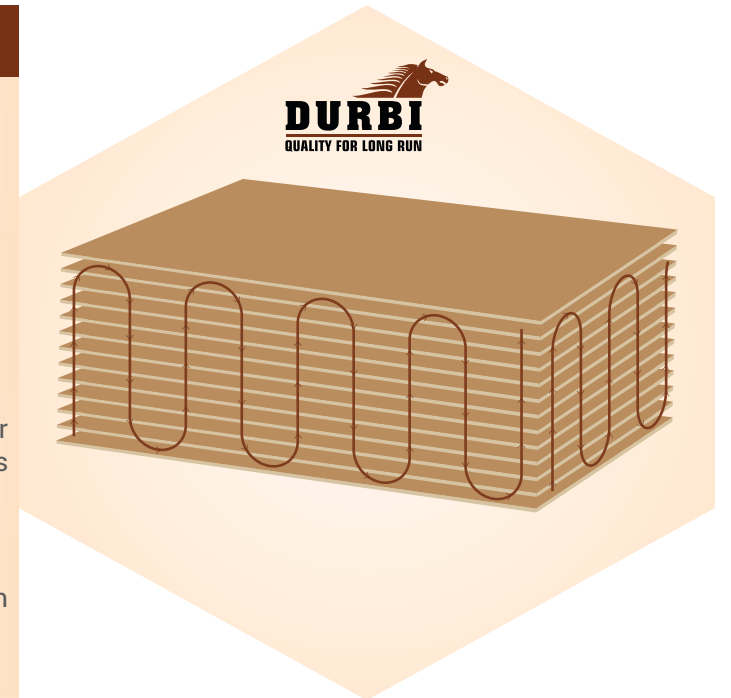
Resin penetrates the core and panel and binds both firmly, which provide strong bonding between core & panels.

With 360 degree resin circulation, DURBI ply has higher binding and thus it remains strong for years.

Uniform resin circulation provides the better water resistant properties to DURBI ply and also remains unaffected in high heat and humid conditions.

360 degree resin circulation prevent DURBI ply from bending and twisting in changing weather conditions.

Strong bonding, due to 360 degree resin circulation, gives you multiple choice of painting, polishing, laminate or veneer pasting without any de-lamination of face veneer.



Other Ply without 360 degree resin circulation

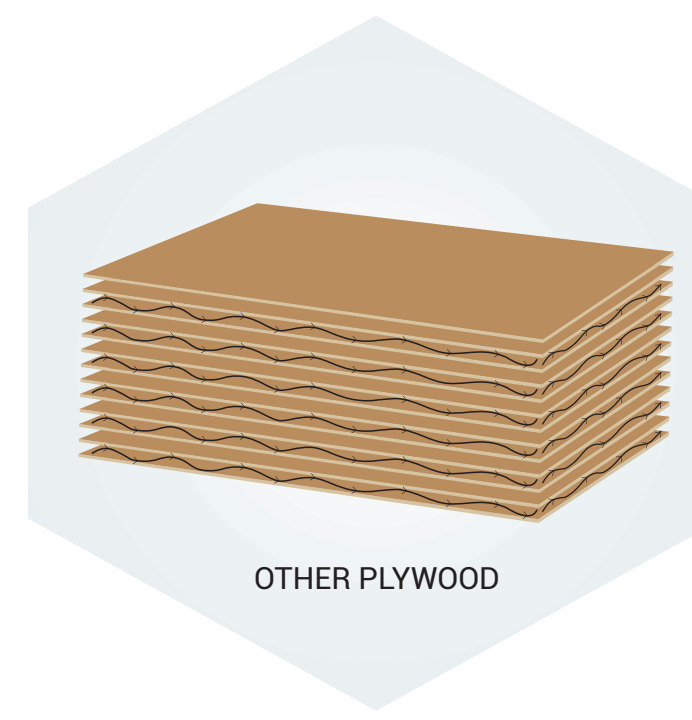
Resin remains on the surface of core and panels so there is poor binding between core & panels.

Because of poor penetration of resin normal ply core panel and face veneer get separated after some time

The Ply with poor binding can't withstand in water and high humid conditions.

Due to the uneven resin circulation normal ply have a problem of bending and twisting.

Face veneer get de-laminated during the painting, polishing and laminate or veneer pasting.



OTHER PLYWOOD

MARINE PLYWOOD

IS:710

DURBI marine Plywood is manufactured from hardwood veneer and is bonded with undiluted Phenol Formaldehyde Resin, which is manufactured in a single stage, at extremely high temperature and pressure. Therefore, this plywood can take extreme changes in temperature, humidity and alternate wetting and drying which are all the prerequisites for plywood used in marine applications. Being powder proof it guarantee protection against borer & termites. Due to its nature of application it is made to resist fungal and micro bacterial attacks also. This DURBI Marine plywood is undergoes to URT(Underground Retention Test) process to test its resistance against micro organism. It is dimensionally stable and an ideal choice for high quality projects.

3 TIMES TREATED AGAINST TERMITE & BORER

100% HARDWOOD

Advantages of Using DURBI MARINE PLYWOOD:

- DURBI PLYWOOD is excellent water proof panel and can be used in outdoor applications confidently.
- High density of panel makes it perfect for nailing and cutting..
- Strong bonding makes it perfect for the any kind of applications.
- Longer life in comparison to other brands
- Calibrated panel, so it can be used at highly precise architectural work.



TECHNICAL SPECIFICATIONS (IS:710)		
TEST	ISI REQUIREMENT	Observed Value
1 Moisture Content	5% - 15 %	8%
2 Glue Sheer Strength (Dry State)	Min. Ind. 1100 N Min. Avg 1350 N	1350 N 1500 N
3 Adhesion to plies	Minimum Pass Standard	Excellent
4 Glue Sheer Strength (after 72 hrs. Boiling)	Min. Ind. 800 N Min. Avg 1000 N	1150 N 1250 N
5 Tensile Strength Along the grain - Across the grain - sum of Tensile strength -	4200 N / sq. mm 2500 N / sq. mm 8450 N /sq. mm	5500 N / sq. mm 3950 N / sq. mm 9400 N / sq. mm
6 Static Bending Strength a Modulus of Rupture - Along the grain - Across the grain b Modulus of Elasticity - Along the grain - Across the grain	50 N / sq. mm 30 N / sq. mm 7500 N / sq. mm 4000 N / sq. Mm	65 N / sq. mm 40 N / sq. mm 8305 N / sq. mm 4170 N / sq. Mm

BWP GRADE PLYWOOD

DURBI BWP Grade PLYWOOD is bonded with Fortified Phenol Formaldehyde Synthetic Resin as per standards of IS:848:1974 under controlled temperature and pressure with adequate timings to obtain unmatched bonding. Being empowered with latest termite and borer chemicals, DURBI PLYWOOD has greater resistance power to fight against borers & termites. In fact, the infusion of anti termite and borer chemical in the glue line area ensures that it remains protected & safe from the attack of borers & termites.

DURBI PLYWOOD is premium grade densified alternate construction plywoodIt is manufactured by RED WOOD and POPLAR WOOD veneer together. It is manufactured in India's best Hydraulic hot press and tested in fully equipped laboratory for stringent quality by a team of chemists.

KEY FEATURES:

- Alternate construction for high density
- Bonded with Phenol and Formaldehyde (PF) resin.
- Full core and full panel inside
- Smooth surface
- Equal thickness at all point.
- Termite resistant.
- Borer proof



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BWR GRADE PLYWOOD IS:303

DURBI Plywood is premium grade, 100% densified plywood available in Boiling Water Resistant (BWR) Grade. It confirms to the standards of IS:303. It is manufactured in India's best Hydraulic hot press tested in fully equipped laboratory for stringent quality controls with trained personnel.

DURBI BWR grade Plywood is bonded with Fortified MUF Synthetic Resin as per standards of IS:848:1974 under controlled temperature and pressure with adequate timings to obtain unmatched bonding. All the veneers, which go to the manufacturing, are empowered with Anti-Termite & Anti-

Advantage of using BWR plywood

Since it is densified plywood thus being more dense in structure, it renders greater strength to the woodworking. Being empowered with latest termite and borer chemicals, this 100% BWR plywood has greater resistance power to fight against borers & termites. In fact, the infusion of anti termite and borer chemical in the glue line area ensures that it remains protected & safe from the attack of borers & termites.

TECHNICAL SPECIFICATIONS (IS:303)-BWR			
	TEST	ISI REQUIREMENT	Observed Value
1	Moisture Content	5% - 15 %	8%
	Dimension	Length+5mm, Width+2mm Thickness $\pm 5\%$, $\pm 6\text{mm}$ - $\pm 10\%$	Within limit
2	Sp. Gravity		> 7
3	Resistance to Water (3 cycles of 8 hr Boiling & 16 Hr Drying at 65°C) -Adhesion to plies	Min. Pass Standard	Excellent
4	Resistance to Micro-organism -Adhesion to plies	Min. Pass Standard	Excellent
5	Static Bending Test		
a	Modulus of Elasticity - along the grain - across the grain	Avg. Min. 5000 N /sq.mm Min. 2500 N /sq.mm	6500 N /sq.mm 3000 N /sq.mm
b	Modulus of Rupture - along the grain - across the grain	Avg. Min. 40 N /sq.mm Min. 20 N /sq.mm	56 N /sq.mm 30 N /sq.mm

BLOCK BOARDS IS:1659

DURBI Ultra Power block board is a premium quality board with high resistant properties against borer and termite attacks. Face Veneer, Core Veneer & wooden battens in DURBI block board are well selected and treated against anti termite and borer chemicals. The wooden battens are thoroughly seasoned in scientifically run seasoning kiln plants and then cut with great precision to obtain uniform thickness.

These battens are systematically arranged in the supervision of qualified supervisor and utmost care is taken to avoid any extra gap between the battens. Regular test are conducted to maintain the quality of block boards as per the standards of IS: 1659.

ADVANTAGES:

- Frames and Battens are used after proper treatment and seasoning.
- The width of battens are as per IS:1659, i.e. 25 to 30mm.
- The assembled block board (a central core of a wooden frame, two cross bands and two face veneers) are pressed in hot press with resin mixed with anti-termite borer chemical under high temp. and pressure.
- The finished board is again treated with preservative chemical at temp more than 60 degree.
- Finished and lab tested boards have excellent screw holding capacity



NEW ZEALAND PINWOOD BLOCK BOARD



TECHNICAL SPECIFICATIONS (IS:1659)			
	TEST	ISI REQUIREMENT	Observed Value
1	Dimensional Changes caused by Humidity		
a)	Changes, mm from 65% RH to 90% RH	+ 1mm Max	+ 0.50 mm
b)	Changes, mm from 65% RH to 40% RH	- 1mm Max.	- 0.55 mm
c)	Local Planeness	< 1/150	< 1/175
	At the extreme range of humidity	No de-lamination at the extreme range of humidity	No de-lamination observed
2	Adhesion of the plies	Minimum pass standard	Excellent
3	Resistance to water (72 hours boiling)	No de-lamination after 72 hours boiling	No de-lamination
4	Resistance to Micro organisms	No appreciable sign of separation at edges.	No separation at edges
5	Modulus of Elasticity	Min. 5000 N / sq.mm	6050 N / sq.mm
6	Modulus of Rupture	Min. 50 N / sq.mm	61 N / sq.mm



FLUSH DOOR

IS:2202

DURBI flush doors are modern, elegant and ready to use that can be easily installed with minimum efforts to protect and beautify your dream home. They are made out of high quality wood to make them exceptionally durable and dimensionally stable with excellent tooling and finishing properties. Obviously, the doors are made with chemically treated seasoned hardwood battens and frames.

The cross bands veneers are uniformly dried to the requisite moisture content. They are then bonded with special quality Phenol formaldehyde synthetic resin as per the guidelines of IS:2202. DURBI Flush Doors are treated for total termite and borer protection. The flush doors are manufactured under strict quality control conditions that exceed the ISI specifications. The doors can be manufactured according to customized sizes too.

APPLICATIONS:

Furniture, partitions, racks/shelves, shutters, under layer for decorative laminates etc.

Sizes & Thicknesses:

Standard sizes available. You can choose from the door thicknesses of 30, 32, 35mm.



TECHNICAL SPECIFICATIONS (IS:2202)			
	TEST	ISI REQUIREMENT	Observed Value
1	Dimension	Length, Width - + 5 mm Thickness - + 1 mm	Within limits
2	Squareness	Deviation not more than 1 mm on a length of 500mm	Deviation below 1 mm
3	General Flatness	Twist, cupping, warping not to exceed 6 mm	
4	Local Planeness	Depth of deviation at any point to be less than 0.5 mm	Within limits
5	Impact Indentation Test	Depth of Indentation not to exceed 0.2 mm	Within limits
6	Edge Loading Test	Deflection of edge with max. To be less than 5 mm	Within limits
7	Shock Resistance Test	No visible defect after test	No visible defects
8	Buckling Test	Initial deflection - < 50 mm residual deflection - < 5 mm	Within limits
9	Slamming Test	No visible damage after Test	No visible damage
10	Misuse Test	No deformation after Test	No deformation
11	Varying Humidity Test	No visible warping, twisting or de-lamination	No such defects observed
12	End Immersion Test	No de-lamination at the end	No de-lamination
13	Knife Test	Minimum Pass Standard	Excellent
14	Glue Adhesion Test	No de-lamination	No de-lamination
15	Screw Withdraw Test	Load to withdraw screw to be more than 1000 N	Load - > 1000 N



Quality to ab bhi banti hai..
Par nahi rahi... wo pahle wali baat



Isme Hai ...Wo Pahle Wali Baat
Quality of Yesterday with technology of tomorrow

