

A modern kitchen and living area with a large white circle containing the OVI logo. The kitchen features dark blue cabinets, wooden upper cabinets, and a black countertop. A dining table with wooden legs is in the foreground. A glass coffee table with a glass and a book is also visible. The living area includes a grey sofa and a wooden sideboard with a clock and a plant.

OVI[®]

THE COMPANY

Not everyone understands significance of excellence.

Defining newer extremities for plywood, OVI is a flagship brand with its set up at Yamuna Nagar. Reiterating the essence of genuineness and quality products, OVI comes with a range of offerings like Plywood, Block Board & Flush Doors that stand for durability, strength, features and reasonable prices.

Letting experience speak its own language

It takes years of experience to polish the art of bringing out the best of capabilities. From technicians to professionals who hold expertise in manufacturing world-class Ply, Board & Door, we manufacture a range of Plywood, Block board, Flush Door and Shuttering Plywood like Commercial, MR and BWR grade.

Penning down Perfection at each stage

Using selected, well treated and seasoned timber; we employ latest manufacturing technique to ensure perfection at each stage. OVI Ply, Board & Doors are dimensionally stable, termite resistant, moisture proof, durable and last for generations in ideal condition. Genuine prices are again an added delight that come attached with each of our offerings.





PLYWOOD

Veneers from high quality logs are mechanically dried and they undergo stress relieving process, which are assembled in such a way to form a balanced construction. High quality fortified synthetic resins are used for gluing the veneers. Glue line is poisoned by special formulations of chemicals to make OVI Plywood safe against borers. It is hot pressed under proper temperature and more than 16 Kg/cm' specific pressure. Conditioning is done after pressing, followed by preservative treatment.

APPLICATIONS

Partition and paneling, ceilings in public rooms and corridors, floor underlayment, computer rooms, furniture, bus bodies, railway coaches, milk booths, sign boards, insert in panel doors, storage racks.

TECHNICAL SPECIFICATION

S.NO.	TEST	I.S.I. REQUIREMENT		TEST RESULTS
1.	Moisture Content	5-15%		7.5%
2.	Glue Shear Strength in Dry Condition	a) Individual b) Average Min.	1100 Newton 1350 Newton	1400 Newton 1590 Newton
3.	Glue Shear Strength in Wet Condition	a) Individual b) Average Min.	800 Newton 1000 Newton	1080 Newton 1360 Newton
4.	Glue Shear Strength in Mycological Test	a) Individual b) Average Min.	800 Newton 1000 Newton	1090 Newton 1350 Newton
5.	Tensile Strength a) Parallel to grain Strength b) Right angle to grain direction c) Sum of both directions	42.0N/mm ² 25.0N/mm ² 84.5N/mm ²		645 KN./m ² 395 KN./m ² 1040 KN./m ²
6.	MOR N/mm ² Parallel to grain Perpendicular to grain	Avg./Min. 50/45 30/27		60/55 40/35
7.	MOE N/mm ² Parallel to grain Perpendicular to grain	Avg./Min 7500/6700 4000/3600		8000/7500 4500/4000



MARINE PLYWOOD

It is maintained from selected timbers bonded with highly quality resorcinol Phenol Formaldehyde Resin. It is pressed under proper temperature and high pressure and treated in vacuum pressure impregnation plant with specific preservatives as per IS 5539:1969. OVI Marine Plywood can withstand unfavorable climatic conditions, alternate drying and wetting. Moreover, it is safe against marine organisms and wood borers. OVI Marine Plywood can withstand 108 hrs. boiling at 100 C temperature without showing any signs...

APPLICATIONS

Maintenance and repair of Marine and river crafts, interior of ships and liners, heat exchanger, cooling tower, public hoarding, signboards, displayboard, etc, tanks for liquid chemicals, portable cabins and shelters that are exposed to severe condition, structural..

TECHNICAL SPECIFICATION

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7.	MOE N/mm ² Parallel to grain Perpendicular to grain	Avg./Min 7500/6700 4000/3600		8000/7500 4500/4000



SHUTTERING PLYWOOD

OVI offers a high quality Film Faced Shuttering Plywood. It is a multi functional product, which can be used in construction industry for buildings, bridges, heavy industry and structures etc. for use on walls, slabs, columns and beams etc. It is manufactured by selecting quality Veneers impregnated with modified RPF resin for longer life and better performance in all applications.

APPLICATIONS

Factories and buildings, sewer construction, construction of swimming pool, bridge construction, exterior and general Shuttering work, beams and every construction and foundation job.

TECHNICAL SPECIFICATION

S.NO.	TEST	REQUIRED VALUE	OBSERVED VALUE
1.	Moisture Content	5-15%	As per ISI Req.
2.	Glue Shear Strength (Dry State) Adhesion to plies	Min. Indl. 1100 N Min. Avg. 1350 N Minimum Pass Standard	As per ISI Requirement Excellent
3.	Glue Shear Strength (after 72 hrs. Boiling) Adhesion to plies	Min. Indl. 800 N Min. Avg. 1000 N Minimum Pass Standard	As per ISI Requirement Excellent
4.	Mycological Test Glue Sheer Strength	No. sign of separation Min. Ind. 800 N Min. Avg. 1000 N	No separation As per ISI Requirement
5.	Tensile Strength Along the grain Across the grain Sum of the Tensile Strength	32.5 N/sq.mm 22.5 N/sq.mm 60.0 N/sq.mm	As per ISI Requirement
6.	Static Bending Strength Modulus of Elasticity -Along the grain -Across the grain	7500 N/sq.mm 4000 N/sq.mm	As per ISI Req. As per ISI Req.



BLOCK BOARD

These are made out of excellent quality of plantation Timbers. Logs are quarter sawn into Planks using SDR method, which are chemically treated and well seasoned before converting into battens in a multiple rip saw. Battens are sandwiched between glued mechanically dried veneers and are pressed in hot press under accurate temperature and pressure.

APPLICATIONS

Cabinets, Almirahs and other furniture, Door Partitions, shelves and other interior application; Roofing, Fencing, and other external applications.

TECHNICAL SPECIFICATION

TEST	REQUIREMENTS OF IS1659 INTERIOR/EXTERIOR	TEST RESULT
Moisture Content	5-15%	8%
Change caused by humidity	Not more than ±1mm	Less than 0.6mm
Adhesion of Ply	Minimum Pass standard	Excellent
Water Resistance	3 Hours at 60 C ± 2 C	Good
Resistance to Microorganism (Mycological test)	One Cycle of 21 days	No sign of separation at the edges
MOE Avg. N/mm ² Min Ind. N/mm ²	4000/5000 3400/4200	5200/6010N./mm 4500/5000N/mm
MOR Avg.N/mm ² Min Ind.N/mm ²	40/50 34/42	50/62 N/mm 42/48 N/mm



FLUSH DOOR

These are made from High Density Farm Timbers, which are chemically treated and well seasoned. Battens are edge glued to make these doors durable and dimensionally stable. Special formulations of chemicals Are used to poison the glue line against borers and fungus. External preservative treatment is given to make these doors perfectly resistant to all the Micro organisms.

APPLICATIONS

Door shutters | homes and offices

TECHNICAL SPECIFICATION

TEST	REQUIREMENTS OF IS 2202	TEST RESULT
Dimensions & squareness	Length +0/mm Width +0/mm Thickness +/-1mm Squareness : not more than 1mm per 500mm length	+3mm +2mm +.6mm .5mm
General flatness	6mm	2.0mm
Local Planeness	0.5mmm	0.2mm
Impact Indentation	0.2mm	0.10mm
Flexure Test	Max. Deflection 0.5mm	Maxx. Deflection 3mm
Edge Loading Tests	Residual deflection 0.5mm Lateral buckling 2mm	Residual deflection .25mm 1mm
Shock Resistant Tests	Should withstand 5 impacts	Can withstand 10 impacts
End Immersion Tests	No Deamination	No Delamination
Knife/Glue Adhesion Test	Pass Standard	Excellent
Buckling Test	Pass standard	Excellent



CALIBRATED PLYWOOD

BWR Grade Plywood is manufactured keeping in mind those kitchen manufacturers who are obsessed with quality. This is manufactured in a two stage process, first hot pressed without face and then perfectly calibrated in a imported calibration machine to get even thickness and then thickness and then repressed with 0.6mm imported European beech face to get the perfect desired thickness.

APPLICATIONS

Furniture components, kitchen and bathroom furniture, carcass & upholstered furniture, wooden homes, flooring, wooden toys die & moulds, laser engraving etc.



LET'S CONNECT TO DISCUSS YOUR REQUIREMENTS

OVI offers wide range of product which are: Block Board, Flush Doors, Plywood, Marine Plywood, Shuttering Plywood, & Calibrated Plywood.

Feel free to discuss your requirements over call or you can email us.



LOCATION

Parighkhadi No.4, Indira Nagar, Near
Datt Mandir, L.B.S. Marg, Kurla (W),



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