



restoring eco balance...



State-of-the-Art Testing Facility

An Accredited Testing Laboratory for the

**PLYWOOD, WOODEN DOOR
SHUTTERS AND BOARDS**

Testing facility for Plywood, Wooden Door Shutters & Boards

Product	BIS Reference
Plywood	
Plywood for General Purpose	IS 303:2024
Marine Plywood	IS 710:2024
Veneered Decorative Plywood	IS 1328:2025
Plywood for concrete shuttering works	IS 4990:2024
Structural Plywood	IS 10701:2012
Wooden Door Shutter/Boards	
Block Boards	IS 1659:2004
Wooden Flush Door Shutters (Cellular, Hollow and Tubular Core) [Part 1 Plywood Face Panels]	IS 2191 (Part 1):2022
Wooden Flush Door Shutters (Cellular, Hollow and Tubular Core) [Part 2 Particle Board, High Density Fibre Board, Medium Density Fibre Board and Fibre Hardboard Face Panels]	IS 2191 (Part 2):2022
Wooden Flush Door Shutters (Solid core type) [Part 1 Plywood Face Panels]	IS 2202 (Part 1):2023
Medium Density Particle Boards of Wood and other Lignocellulosic Materials for General Purpose	IS 3087:2025
Medium Density Fibre Boards of Wood and other Lignocellulosic Materials for General Purpose	IS 12406:2025
Moulded High Density Fibre (HDF) Panelled Door Shutters	IS 15380:2023
Synthetic Resin Adhesives for Plywood (Phenolic, Aminoplastic and Bio-Materials Based)	IS 848: 2025
Laboratory is well equipped to evaluate all raw materials used in the manufacturing of plywood, blackboards, and flush doors.	
Notes & disclaimers	
<p>a) Referred Standards are subject to change based on different aspects e.g., Change in BIS due to Amendments, exclusions or inclusions methods etc.</p> <p>b) Always refer to the BIS website for Reaffirmation or amendments.</p> <p>c) Reader must confirm information mentioned in this Brochure before implementing.</p> <p>d) Information given is just for reference purposes.</p> <p>e) We may help our customers if any clarification is required.</p>	

PLYWOOD
IS 303, 710, 1328, 4990, 10701

DOOR SHUTTERS & BOARDS
IS 1659, 2191-1, 2191-2, 2202-1, 3087, 12406, 15380

Test parameters

Quality Requirements of Surface	Workmanship & Finish	Dimensions
Dimensions and Tolerance	Moisture content & Density Defects	Squareness, Straightness
Squareness ,Straightness	Workmanship & Finish	Impact Indentation Test, Flexure Test
Moisture content and Density	Varying humidity test	Edge loading test
Glue Adhesion in Dry & Wet state ➤ Glue shear Strength ➤ Adhesion of Plies	Shock resistance test, Buckling resistance test, Slamming test	End immersion test, Misuse test, Knife test
Mycological Test	Glue adhesion test	Adhesion of Plies
Tensile Strength	Modulus of Elasticity	Modulus of Rupture
Static bending Strength ➤ Modulus of Elasticity ➤ Modulus of Rupture	Internal bond strength, Screw withdrawal resistance test	Dimensional Changes Caused by Humidity
Retention of preservatives	Moisture resistance Tests, Formaldehyde content Test	24 h thickness swelling Mycological Test
Formaldehyde Content Test	Resistance to water	Spot Test

WHY CAN BENEFIT?



WHY CHOOSE US?

- Dedicated wood and wood products Testing facility.
- State of-the-Art Laboratory having advanced and sophisticated equipment.
- Experienced and dedicated team.
- Pan India basis presence.
- Dedicated Team for Customer support.

MESSAGE *of* FOUNDER CUM MANAGING DIRECTOR

Eco Paryavaran Group, headquartered in Mohali (Punjab), is one of North India's leading environmental organizations. We provide Integrated Consultancy, Advanced Laboratory Services and Turnkey Engineering Solutions to control Air, Water, Noise and Solid-Waste management solutions.

Guided by our purpose "We Treat, We Transform, We Thrive", we combine strong technical expertise with integrity and long-term thinking.

The Group brings together an engineering arm for turnkey ETP/STP/WTP/UF-RO/ZLD, APCD and solid-waste systems, QCI-NABET approved consultancy and ISO/IEC 17025 2017 (NABL) accredited laboratory for Chemical, Biological, Mechanical and Non-Destructive Disciplines for Environmental Pollution, Water, Fertilizers, Solid Fuels and Building Infrastructure & Construction Materials.



DR. SANDEEP GARG
Founder & Managing Director

Eco Paryavaran Lab has also expanded its scope of testing for Wood and Wood Products to facilitate our customers to provide them support for their all requirements of Testing under one roof only.

Eco Paryavaran Group was founded with a clear mission – to prevent pollution with purpose, and to bring profit and goodwill in equal measure for our clients and for society. For more than two decades this philosophy has guided every plant we design and every report we issue.

Our dedicated wood and wood products testing facility is a natural extension of this journey. We aim to help manufacturers, builders and government bodies deliver safe, durable and truly standards-compliant plywood, boards and door shutters to the market."

Accreditation and Approvals

- vISO/IEC 17025 2017 Accredited Laboratory Vide Certificate No. TC11818 till 26-06-2029
- vRecognized by Central Pollution Control Board (CPCB), Ministry of Environment, Forest, and Climate Change (MOEF&CC), Government of India.
- vCertified for ISO 9001: 2015, ISO 14001:2015 and 45001:2018
- Designated State Level Laboratory for Water Testing by State Water Sanitation Mission (SWSM), Jal Shakti Vibhag Himachal Pradesh Government

KEEP IN TOUCH:



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