

NEVON today's
smart
edge
decor

 **NEVON**[®]
PLY-BEARD-DOOR

“

We supply long-lasting,
high-quality & eco-friendly
products like

**PLYWOOD
BLOCK BOARD
FLUSH DOOR**



Carpenter friendly
easy to apply



Architect's
trusted product



Cost effective
Pocket friendly

”

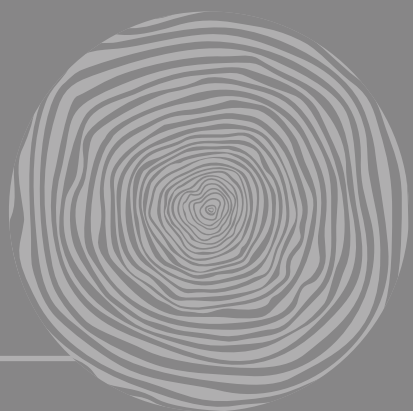


NEVON that gives you the
freedom to create home
into a masterpiece

**Enough Strong...
Life Long...**

Ornato is a company with a rich legacy
of excellence. With impeccable quality
and unflinching commitment to provide
the finest, we have earned the trust of
our customers, many of whom we are
serving since our inception.

Not surprisingly,
**WHEN PEOPLE THINK OF PLY OR
ANY RELATED PRODUCTS;**
one name unquestionably comes to
their mind - NEVON.



VISION

We work with the firm determination to serve the nation with the manufacturing and supplying high quality plywood products that not only suit to the spirit of modernity but at the same time remain strictly eco-friendly. Through our consistent efforts we look forward to getting a major market share of the plywood industry at home and abroad.



MISSION

We work to support our National integration and always aspire to contribute to the well being of the society that surrounds us. We, with our endeavors, dream to sustain the ecology surrounding us and contribute to the social welfare of the society by setting an ideal corporate house that not just remains interested in selfish motives of earning profits but through philanthropic contributions takes lead in constituting a happy society of our nation.

WHAT MAKES NEVON SPECIAL?



BEST DIMENSIONAL
STABILITY



100% GUARANTEED
THICKNESS



100% DEFECT
FREE



QUALITY
DOUBLE-CHECKED



HIGH LOAD
BEARING CAPACITY



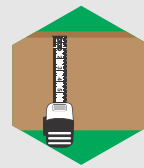
ALL WEATHER
RESISTANT



TERMITE, BORER,
FUNGUS RESISTANT



HIGH NAIL & SCREW
HOLDING CAPACITY



WIDER CORE
& PANEL



PLYWOOD

GRADE

- Boiling Water Resistance (BWR)
- Moisture Resistance (MR)

STANDARD THICKNESS (IN MM)

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

STANDARD SIZE (IN MM)

- 2440 X 1220, 2440 X 920
- 2140 X 1220, 2140 X 920
- 1840 X 1220, 1840 X 920

SALIENT FEATURES

- Best Quality Face Veneer
- Hardwood Core Veneer
- Glue Line Protection
- No Waviness, Smooth Surface
- Full Core & Panel (No Fali Core)
- Consistent Thickness
- Borer, Fungus, Termite Resistant
- Suitable for all Weather Conditions
- No Delamination, Bleed-Through, Warpage & Indentation



SEASONED
WOOD



TERMITE/BORER
RESISTANT



WEATHER
RESISTANT



CHEMICALLY
TREATED



UNIFORM
STRENGTH



STRUCTURALLY
BALANCED

IS : 303



CM/L 7200093006

PLYWOOD TEST RESULT

TESTS	REQUIREMENTS	OBTAINED RESULTS
Types of Surface of Plywood	AA/BB/AB	AA
Dimensions : Length : Width : Thickness a) Less than 6 mm b) 6 mm & above Squareness Edge straightness	Tolerance : +6 mm , -0 mm +3 mm , -0 mm ±10% ±5% 0.2% 0.2%	+2 mm +1 mm ±3% ±4% 0.08% 0.05%
Moisture Content % Density:	5-15% 70 gm/mm ²	8% 80 gm/mm ²
Static Bending Strength: a) Minimum Average: b) Individual: (Along the grain) Static Bending Strength: a) Minimum Average: b) Individual: (Across the grain)	Grade: BWR MOR MOE 40 5000 36 4500 MOR MOE 20 5000 18 3600	Grade: BWR MOR MOE 55 6500 45 5500 MOR MOE 30 6200 25 3800
Static Bending Strength: a) Minimum Average: b) Individual: (Along the grain) Static Bending Strength: a) Minimum Average: b) Individual: (Across the grain)	Grade: MR MOR MOE 30 4000 27 3600 MOR MOE 15 2000 13 1800	Grade: MR MOR MOE 40 5500 35 4500 MOR MOE 25 3000 20 2500
Glue Adhesion Water Resistance Test BWR Grade : 8 hrs Boiling and dried for 16 hrs at a temperature of 65±2 ⁰ C (3 cycle) MR Grade : 3 hrs Soaking and dried for 8 hrs at a temperature of 65±2 ⁰ C (3 cycle)	Minimum Pass Standard Minimum Pass Standard	Pass Standard
Mycological Test After conditioning of sample for 3 weeks at 27±2 ⁰ C	Minimum Pass Standard	Pass Standard

UNIT OF MEASUREMENT*

Modulus of Rupture (MOR) (N/mm²)

Modulus of Elasticity (MOE) (N/mm²)

BLOCK BOARD

GRADE

- Boiling Water Proof (BWP)
- Moisture Resistance (MR)

STANDARD THICKNESS (IN MM)

- 19, 25

STANDARD SIZE (IN MM)

- 2440 X 1220, 2440 X 920
- 2140 X 1220, 2140 X 920
- 1840 X 1220, 1840 X 920

SALIENT FEATURES

- Best Quality Face Veneer
- Glue Line Protection
- No Waviness, Smooth Surface
- Imported Pine Timber
- Consistent Thickness
- Accuracy & Stability in Dimension
- No Expand, Contract, Warping and Delamination when subject to change in Atmospheric Condition
- Free from Borer, Termite & Powder



SEASONED
WOOD



TERMITE/BORER
RESISTANT



WEATHER
RESISTANT



CHEMICALLY
TREATED



UNIFORM
STRENGTH



STRUCTURALLY
BALANCED



IS : 1659



CM/L 7200092905

BLOCK BOARD TEST RESULT

TESTS	REQUIREMENTS	OBTAINED RESULTS																				
Core I) Moisture Content,% ii) Width of strips, mm iii) Width of edge strips along the length, mm	12 Max. 30 Max. 45 Max.	8.8 26 37																				
Dimensions a) Length in b) Width in c) Thickness in Min / Max d) Variation in thickness in e) Edge straightness, % f) Squareness,%	Tolerance on declared value +6 mm , -0 mm +3 mm , -0 mm ±5% 0.5 mm 0.2% 0.2%	1831 916 19.20 – 19.42 0.22 0.08% 0.05%																				
Surface Defects	As per clause 8.1.3/6.3.3	Conforms to the requirements																				
Dimensional Changes caused by humidity a) At 90% RH i) Difference in length ii) Difference in thickness b) At 40% RH i)Difference in length ii)Difference in thickness c) There shall be no delamination at the extreme ranges of humidity d) There shall be no change in local planeness measure as d/L < 1/150	±1mm ±1mm ±1mm ±1mm No delamination < 1/150	0.09 0.10 0.09 0.08 Complies to requirement Complies to requirement																				
Resistance to water, BWP Grade: boiling for 72 h MR Grade: 3 hrs soaking at 60±2°C	Min. Pass Standard Min.Pass Standard	Pass Standard Pass Standard																				
Adhesion of plies	Min.Pass Standard	Pass Standard																				
Modulus of Rupture (N/mm²) a) Average b) Minimum individual Modulus of Elasticity (N/mm²) a) Average b) Minimum individual	<table><tr><td>BWP</td><td>MR</td></tr><tr><td>50</td><td>40</td></tr><tr><td>42</td><td>34</td></tr></table> <table><tr><td>5000</td><td>4000</td></tr><tr><td>4200</td><td>3400</td></tr></table>	BWP	MR	50	40	42	34	5000	4000	4200	3400	<table><tr><td>BWP</td><td>MR</td></tr><tr><td>70</td><td>50</td></tr><tr><td>65</td><td>40</td></tr></table> <table><tr><td>6000</td><td>5000</td></tr><tr><td>5000</td><td>4000</td></tr></table>	BWP	MR	70	50	65	40	6000	5000	5000	4000
BWP	MR																					
50	40																					
42	34																					
5000	4000																					
4200	3400																					
BWP	MR																					
70	50																					
65	40																					
6000	5000																					
5000	4000																					
Spot Test	Shall show through and through penetration of preservative of chemical	Clearly visible through and through penetration of preservative chemical																				

FLUSH DOOR

GRADE

- Boiling Water Proof (BWP)

STANDARD THICKNESS (IN MM)

- 25, 30, 32, 35 & as per specific orders.

STANDARD SIZE (IN MM)

- 1905 X 700, 1905 X 800, 1905 X 900
- 2005 X 700, 2005 X 800, 2005 X 900
- & as per specific orders.

SALIENT FEATURES

- Best Quality Face Veneer
- Glue Line Protection
- No Waviness, Smooth Surface
- Imported Pine Timber
- Consistent Thickness
- Boiling Water Proof
- Borer, Termite & Powder free
- Accuracy & Stability in Dimension
- No Warping & Delamination when Subject to change in Atmospheric Condition
- Excellent Screw Holding Capacity.
- Sufficient Strength in the sheathing material to resist normal knocks and blows.



SEASONED
WOOD



TERMITE/BORER
RESISTANT



WEATHER
RESISTANT



CHEMICALLY
TREATED



UNIFORM
STRENGTH



STRUCTURALLY
BALANCED

IS : 2202



CM/L 7200093612

FLUSH DOOR TEST RESULT

TESTS	REQUIREMENTS	OBTAINED RESULTS
Dimension & Squareness Height Width Thickness, Min/Max Variation in thickness between any two points Squareness	Tolerance: ± 5 mm ± 5 mm ± 1 mm Max.0.8 Deviation not more than 1mm per 500mm length	± 2 mm ± 2 mm 30.00 – 30.50mm 0.50mm 0.50mm
General Flatness		
Twist	Max. 6 mm	Less than 6 mm
Cupping	Max. 6 mm	Less than 6 mm
Warping	Max. 6 mm	Less than 6 mm
Local Planeness	Max. 0.5 mm	0.18
	No cracking, tearing or delamination. Indentation depth, max 0.2mm	No cracking, tearing or delamination.0.14mm
Flexure Test (Deflection in mm) 15 minutes after 50 kg 3 minutes after load removal	Deflection at maximum load not greater than 1/30th of length or 1/15th of width, whichever is less. Residual deflection not greater than 1/10 of maximum deflection.	MD: Less than 1/30th of length & 1/15th of width. RD: Less than 1/10th of MD
Edge loading Test (deflection in mm) After 15 minutes of 100 kg loading 5 minutes after load removal Lateral buckling	Deflection at maximum load not greater than 5 mm. Residual deflection after removal of load not greater than 0.5mm. Not more than 2mm during loading. No residual buckling after load removal.	MD: Less than 5mm. RD:Less than 0.5mm Lateral Buckling:0.1mm Conforms to the requirement
Shock Resistance Test Soft & light body impact Soft & heavy body impact	No visible damage No visible damage	Conforms to the requirement Conforms to the requirement
Slamming Test	No visible damage after 50 drops.	Conforms to the requirement
Glue adhesion Test	No delamination/ No single delamination of more than 50mm in length & more than 3mm in depth	Conforms to the requirement
End immersion Test	No delamination 8 cycle-1 day wet & 1 day dry	Conforms to the requirement
Knife Test	Minimum Pass standard	Pass Standard
Screw withdrawal Test	Not less than 1000 N Surface condition : No visible damage to the surface either by delamination or extra chipping off	3000 N Conforms to the requirement
Buckling test (deflection in mm) After 5 minutes of 40 kg loading 15 minutes after load removal	No deterioration Initial Deflection not greater than 50mm Residual deformation after 15 minutes of unloading not greater than 5mm	Conforms to the requirement
Misuse test	No permanent deformation of the fixing or any other part of the door set in hindering its normal working after the test.	Conforms to the requirement
Varying humidity test	No visible warping, twisting or delamination. Maximum departure from the general planeness not more than 0.1mm Recovery- At least 90% of the change in dimension.	Conforms to the requirement



CM/L 7200093006



CM/L 7200093612



CM/L 7200092905



Product by:
ORNATO PANELS

AN ISO 9001 : 2015 CERTIFIED COMPANY

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Our laboratory equipments
are NABL certified