



IS : 303



IS : 1659



IS : 2202



100% BORER &  
100% TERMITE FREE



- BLOCK BOARD
- PLYWOOD
- FLUSH DOOR

An ISO 9001:2008 Certified Company

*Welcome to*



PLYWOODS · BLOCK BOARDS

India's foremost and premier manufacturer & producer of plywood, block boards & Flush Door products.

Our products find great favour and appreciation with builders, promoters, developers, architects, furniture and interior designers and consumers alike. From ship building to commercial spaces, from restaurants to bedrooms, from school classrooms to hotel lobbies, wherever you go you will surely find us as a part of your favourite living space.

At **Bhavani Timber Depot**, it has been a constant ambition to provide our designers and consumers with products that far exceed their expectations. In terms of functional ability, durability under rough wear and tear conditions and contemporary packaging and finish. When you buy a **Neem Gold** product you can rest assured that you are buying best- in - class in terms of quality and durability.





# MR/BWR Plywood

## MR Plywood,

Made from High quality veneers of uniform thickness bonded with urea melamine formaldehyde resin with addition of chemicals.

**APPLICATION :** Suitable for furniture, wall paneling, cupboards, partition, shelves, ceiling etc.

## BWR Plywood

Manufacture with veneers of uniform thickness of high density Neem timber dried on mechanical drier, stress relieved, bonded with the best quality phenol formaldehyde and then treated with chemical and make it termite and wood boring insects proof.

**APPLICATION :** Suitable for home, office, industry, kitchen, paneling, bus and truck bodies, railway coaches etc.

**THICKNESS :** 6mm, 8mm, 12mm, 15mm, 16mm, 18mm, 19mm,

**SIZES (in Mtrs.):** 2.44 X 1.22 / 2.44 X 0.92 / 2.14 X 1.22 / 2.14 X 0.92

(Specific thickness and Sizes may be provided against specific order.)



## Technical Specification

MR/BWR Grade Plywood IS:303



Sl No.	Tests	M.R.		B.W.R	
		I.S. Requirement	Results	I.S. Requirement	Results
1.	Moisture Content	5 to 15 %	10%	5 to 15 %	10%
2.	Static Bending Strength :				
	I. Modulus of Elasticity (N/mm <sup>2</sup> )				
	a) Along the Grain	Min. 3600 ; Avg 4000	4700	Min. 4500 ; Avg 5000	6500
	b) Across the Grain	Min. 1800 ; Avg 2000	2200	Min. 2200 ; Avg 2500	3300
	II. Modulus of Rupture (N/mm <sup>2</sup> )				
	a) Along the Grain	Min. 27 ; Avg 30	42	Min. 36 ; Avg 40	48
	b) Across the Grain	Min. 13 ; Avg 15	20	Min. 18 ; Avg 20	24
3.	Glue Shear Strength (In Dry State)	Min. Average 1000 Newton Individual 800 Newton	1230 Newton 950 Newton	Min. Average 1350 Newton Individual 1100 Newton	1550 Newton 1330 Newton
4.	Glue Shear Strength (In Wet State)	Min. Average 800 Newton Individual 650 Newton	970 Newton 840 Newton	Min. Average 1000 Newton Individual 800 Newton	1190 Newton 1010 Newton
5.	Glue Shear Strength in Mycological	Min. Average 800 Newton Individual 650Newton	1100 Newton 870 Newton	Min. Average 1000 Newton Individual 800 Newton	1210 Newton 1100 Newton



# MR/BWP Blockboards

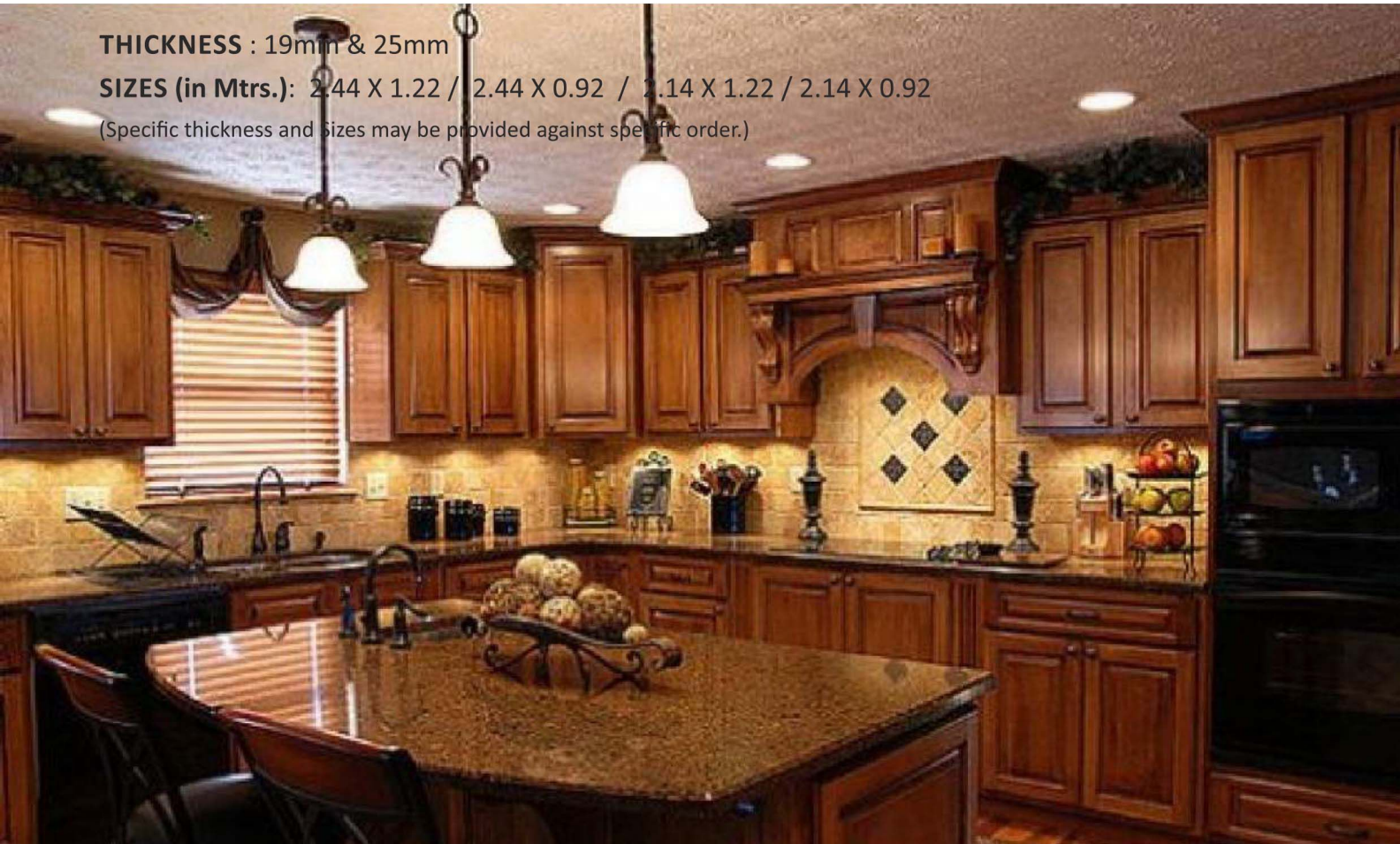
Our exclusive range of Neem Gold Brand Block Boards premium quality block board is manufactured from New Zealand Pine wood and Malaysian or Neem wood species. Bonded with synthetic Phenol Resin at high temperature and pressure, which result superior grade of block board. Treated chemically to get protection from biological degradation.

This product is best recommended for all interior & exterior application, furniture, Door, Windows Kitchen cabinets, Wardrobes, Table Top, Shelves & Racks etc.

**THICKNESS** : 19mm & 25mm

**SIZES (in Mtrs.):** 2.44 X 1.22 / 2.44 X 0.92 / 2.14 X 1.22 / 2.14 X 0.92

(Specific thickness and sizes may be provided against specific order.)



## Technical Specification

MR/BWP Grade Block Board IS : 1659



Sl No.	Tests	M.R.		B.W.P.	
		I.S. Requirement	Results	I.S. Requirement	Results
1.	Dimension changes caused by Humidity a) Max. change in length b) Max. change in local planeness	±1 Less than 1/150	0.30mm 0.11/150	±1 Less than 1/150	0.30mm 0.11/150
2.	Modulus of Rupture	Min 34 ; Avg 40 Newton/mm2	48.00 Newton/mm2	Min 42 ; Avg 50 Newton/mm2	56.00 Newton/mm2
3.	Modulus of Elasticity	Min 3400 ; Avg 4000 Newton/mm2	5540 Newton/mm2	Min 4200 ; Avg 5000 Newton/mm2	6110 Newton/mm2
4.	Screw holding strength		>200		>225
5.	Nail holding strength		>70		>100
6.	Density (KG/m3)		600KG/m3		625KG/m3

# Flush Door

Neem Gold ISI Marked Flush Door have excellent properties in durability and dimensional stability. Various reputed buildings through out India have these doors that is an evidence of our commitment.

Face Veneers & Cross - Bands are made from selected wood uniformity dried to optimum moisture. Kiln seasoned stiles and rails are preservative treated to improve its natural durability. Superior grade phenol formaldehyde resin provides 100% boiling water resistant bonding.

Like all our products, each is finished to perfection to provide long lasting, dependable performance. Regular tests are carried out as per IS 2202 for confirming our unbeatable quality.

**THICKNESS** : 30mm, 32mm, 35mm, 38mm, 40mm

**SIZES (in Inches):** 81X27, 81X30, 81X32, 81X33, 81X36, 81X38

(Specific thickness and Sizes may be provided against specific order.)



## Technical Specification

BWP Grade Flush Door IS : 2202



Sl.	Test	Requirement of IS 2202	Test Results
1.	Impact Indentation Edge Loading Test	< 0.2mm Max. Deflection -< 5.0mm Residual Deflection -<0.5mm	Max. Deflection -<3.0 Residual deflection -<0.3mm
2.	Shock Resistance Test	Lateral Buckling -<2.0mm Should withstand 5 impacts	Lateral Buckling -<1.0mm can withstand 1 5 impacts
3.	Misuse Test	Pass	Excellent
4.	End Immersion Test	No declamation in one cycle.	Can undergo three cycles without any declamation
5.	Knife/ Glue Adhesion - Test		Excellent
6.	Screw Withdrawal Resistance >		1000 N> 1500 N



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**Available at :**

KARNATAKA / TAMILNADU / MAHARASTRA / GOA

**Manufactured at :**  
**BHAVANI TIMBER DEPOT**  
Bangalore. INDIA

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[www.neemgold.com](http://www.neemgold.com)

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