

FORTUNE[®]
GOLD

affordable
LUXURYply

BS:710[®] **BS:910**[®] **BS:5100**[®]

BEYOND STANDARDS

About Us

A New Era in Plywood Quality



Welcome to **India's 1st Proprietary Standardization** -
for wood based panel products

BEYOND STANDARDS:

A whole new era in defining and establishing abstruse standards for the wood based panel products. This is an exclusive series, embedding the technical parameters which are more scientific and practical in today's global environment.

Beyond Standards over a period of time has crafted a niche for itself in focusing and providing sustainable benchmarks.

We are evolving a different value system and creating an infrastructure that will foreground these objectives.

The line of concept and notion has been conceived with inordinate amount of introspection and rumination in evincing exceptional yardsticks.

BS Benchmarks are extremely diligent, meticulous, sturdy and robust.

The benchmarks have been standardized as follows :

BS:710 ©

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“Building Relationships
with Plywood”

BS:710[®] BENCHMARK FOR PLYWOOD

This Plywood is made under stringent quality norms from seasoned softwood & hardwood core, bonded with Synthetic Resin under controlled temperature & pressure.

Features: Strength - Longevity - Damage & Wear Resistant - Moisture Resistant - Termite & Borer Resistant

Uses : Furniture - Partitions - Wall Panelling

S.No.	Name of the Test	Benchmark
1.	Dimensions & Tolerance	
	Length	+/-5mm
	Width	+/-5mm
	Thickness	
	a) Less than 8mm b) 8mm & above	+/-10% +/-5%
2.	Squareness	Max 0.25%
3.	Edge Straightness	Max 0.25%
4.	Resistance to Water Adhesion of Plies (3 cycles of 8hours @ 50°C ± 2°C in Water & 6hours of drying @ 45°C ± 2°C)	Pass
5.	Static Bending Strength (Non-Wet)	
	Modulus of Elasticity N/mm²	
	1. Parallel to face grain	
	a) Average	3000 N/mm ²
	b) Minimum Individual	2700 N/mm ²
	2. Perpendicular to face grain	
	a) Average	2000 N/mm ²
	b) Minimum Individual	1900 N/mm ²
	Modulus of Rupture N/mm²	
	1. Parallel to face grain	
a) Average	25 N/mm ²	
b) Minimum Individual	20 N/mm ²	
2. Perpendicular to face grain		
a) Average	20 N/mm ²	
b) Minimum Individual	18 N/mm ²	
6.	Type Based on Classification by Appearance	AB/BB
7.	Workmanship & Finish	GOOD
8.	Moisture Content %	5-15%

Supplementary Information :

Test results may vary depending on sampling procedures and lab conditions under which specimens are tested. Mechanical test results may also vary depending on the species of wood softwood / hardwood.





BS:910® **BENCHMARK FOR PLYWOOD**

This Plywood is manufactured from selected hard wood using MUF Resin. It is resistant to heavy moisture content of air, dryness, unbeatable heat, dense fog and all adverse atmospheric changes.

Features : Highly Durable - Water Proof - Termite Resistant - Borer Proof

Uses : Furniture - Partitions - Wall Panelling - Kitchen Cabinets

S.No.	Name of the Test	Benchmark
1.	Dimensions & Tolerance	
	Length	+/-5mm
	Width	+/-5mm
	Thickness	
	a) Less than 8mm	+/-10%
	b) 8mm & above	+/-5%
2.	Squareness	Max 0.2%
3.	Edge Straightness	Max 0.2%
4.	Resistance to Water Adhesion of Plies (3 Cycles of 8hours @ 65°C ± 2°C in Water & 6hours of drying @ 50°C ± 2°C)	Pass
5.	Type Based on Classification by Appearance	AB/BB
6.	Workmanship & Finish	EXCELLENT
7.	Static Bending Strength (Non-Wet) Modulus of Elasticity N/mm²	
	1. Parallel to face grain	
	a) Average	4500 N/mm ²
	b) Minimum Individual	4000 N/mm ²
	2. Perpendicular to face grain	
	a) Average	2600 N/mm ²
	b) Minimum Individual	2300 N/mm ²
	Modulus of Rupture N/mm²	
	1. Parallel to face grain	
	a) Average	35 N/mm ²
	b) Minimum Individual	30 N/mm ²
2. Perpendicular to face grain		
a) Average	25 N/mm ²	
b) Minimum Individual	20 N/mm ²	
8.	Moisture Content %	5-15%



Supplementary Information :

Test results may vary depending on sampling procedures and lab conditions under which specimens are tested. Mechanical test results may also vary depending on the species of wood softwood / hardwood.



BS:5100® **BENCHMARK FOR PLYWOOD**

This Plywood is the most robust, enduring and hard wearing product manufactured using Phenol Formaldehyde (PF) Resin. This product can withstand extreme climatic conditions. The core veneers are exclusively selected under stringent measures, seasoned and then passed through special chemical treatment and fusion of preservatives thus fabricating the product into a complete shield against marine organisms & other decay. It is a complete aquatic product which even after boiling in water records no signs of veneer delamination.

S.No.	Name of the Test	Benchmark
1.	Dimensions & Tolerance	
	Length	+/-5mm
	Width	+/-5mm
	Thickness	
	a) Less than 8mm	+/-10%
	b) 8mm & above	+/-5%
2.	Squareness	Max 0.2%
3.	Edge Straightness	Max 0.2%
4.	Resistance to Water	
	Adhesion of Plies (3 cycles of 8hours @ 100 C°±2 C° in Water & 6hours of drying @ 65° C ±2° C)	Min Pass Standard
5.	Moisture Content	5-15%
6.	Static Bending Strength in Dry State	
	1. Parallel to face grain	
	a) Average	7500 N/mm ²
	b) Minimum Individual	6700 N/mm ²
	2. Perpendicular to face grain	
	a) Average	4100 N/mm ²
	b) Minimum Individual	3700 N/mm ²
	Modulus of Rupture N/mm²	
	1. Parallel to face grain	
	a) Average	40 N/mm ²
	b) Minimum Individual	35 N/mm ²
	2. Perpendicular to face grain	
	a) Average	30 N/mm ²
b) Minimum Individual	27 N/mm ²	

Supplementary Information :

Test results may vary depending on sampling procedures and lab conditions under which specimens are tested. Mechanical test results may also vary depending on the species of wood softwood / hardwood.





BS:5100[®] BENCHMARK FOR PLYWOOD

Features : Water Boiling Proof - Longevity - Damage & Wear Resistant - Termite Resistant/Borer Proof - Unsurpassed Strength - Rigidity - Warp Free - Durable - Dimensional Stability.

Uses : Furniture - Partitions - Wall Panelling - Ship Building - Truck and Bus Body - Cooling Towers - Portable Shelters - Hoardings - Signboards - Infrastructure Projects.

S.No.	Name of the Test	Benchmark
7.	Tensile Strength	
	a) Parallel to Face Grain	Min. 42 N/mm ²
	b) Perpendicular to Face Grain	Min. 25 N/mm ²
	c) Sum of Tensile Strength	Min. 70 N/mm ²
8.	Modulus of Elasticity N/mm²	
	1. Parallel to face grain	
	a) Average	3800 N/mm ²
	b) Minimum Individual	3500 N/mm ²
	2. Perpendicular to face grain	
	a) Average	2100 N/mm ²
	b) Minimum Individual	1900 N/mm ²
	Modulus of Rupture N/mm²	
	1. Parallel to face grain	
	a) Average	25 N/mm ²
b) Minimum Individual	22 N/mm ²	
9.	Glue Shear Strength (Dry State)	
	a) Minimum Individual	1200 N
	b) Average	1360 N
10.	Glue Shear Strength (Wet State)	
	a) Minimum Individual	850 N
	b) Average	1025 N
11.	Chemical Treatment	
	a) Surface Coating	Eco Friendly
	b) Borer & Termite : Glue Line	Eco Friendly



“TRANSFORM
your house
TO A HOME”

FORTUNE[®]

GOLD

P L Y W O O D

Authorised Channel Partner :



“Principles of conduct informed by notions
of honour, calibre, merit, excellence & standards”

“be **100%** assured about the quality benchmarks”

use it, to believe it.



www.bsbenchmark.com