

A Royal Treat



Product Catalogue

GARNET
PLYWOODS
Born Bold



A Gem in Plywoods

A SOLITAIRE

is an object of

beauty, wealth, elegance

and above all, a piece of royal taste.

Garnet is a true solitaire in this regard.

In plywood industry, Garnet reflects
beauty, dynamism, strength and
durability par excellence.

As a brand, Garnet is a **phenomenon** in the sense of making life more meaningful. It has **earned** this **status** by **delivering quality** and **excellence**. In the plywood segment, Garnet stands for guaranteed standard. The **core beliefs – transparency, innovation** and **economical** range, make Garnet, the **super star of plywood** industry. The **product range** comprises of-

- Moisture Resistant Plywood • Boiling Water Resistant Plywood
- Boiling Water Proof Marine Plywood • Decorative Plywood
- Teak plywood & Block Board • Gurjan plywood • Flush Door
- Flexible plywood etc.



Garnet is committed to **enrich quality** of life of every citizen by fulfilling his diverse wood needs. Garnet procures **best woods** from the interiors of the vast forestland and adjoining areas.

Garnet employs **state-of-the-art technology** and highly **advanced machines** in most modern manufacturing set-up. The resultant products are **smart, classy and innovative** and benchmarks of quality.

Garnet is **India's first** manufacturer of 7 layer block board. Moreover, Garnet is India's first company to manufacture all its products using **double hot pressed** technology and **triple hot pressed** technology. With the foundation of its **rich expertise** and many firsts in the field of plywood world, Garnet is **carving a majestic future.**



Quadro^{x4}
Pressed

Technology that makes the Core
Better, Four times More

05

HIGH PRECISION
CALIBRATION
Equal at Every Corner and Surface

GURJAN
EXCELLENT STRENGTH AND DURABILITY

3 Steps through ITALIAN
WIDE Belt Sander Machine

Extra Heavy Density

Bonding Control

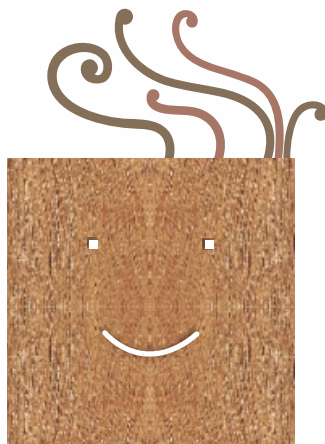
A to Z IN-HOUSE PROCESS

Nail Holding Capacity Check

9 LAYER BLOCK BOARD. PINE



Challenge



MOISTURE RESISTANT PLYWOOD

Appreciate the Simplicity



Moisture Resistant (MR) Plywood

Solitaire is priceless even if it looks simple. Actually nature enriches them in the warm fold with the beauty of nostalgic times. Like this, Garnet makes plywood from superior quality handpicked hard wood timber, searched with the consent of mother earth and forest.

Its simplicity speaks.

Sliced and cut into veneers with the most modern and advanced machinery, Garnet Plywood is a marvel. Its bonding is with the highly integrated UF Resin element which makes it immortal in all aspects. Compression with HOT hydraulic presses under high pressure and temperature attributes the desired flexibility with power to give supreme creation of its kind.



Also available in



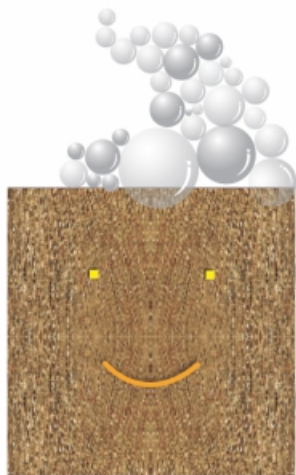
TECHNICAL SPECIFICATIONS (IS:303)

S.No.	Test	ISI Requirement	Observed Value
1	Moisture Content	5% - 15%	8%
2	Dimension	Length +6mm, Width +3mm Thickness ->6mm +-5%, <6mm +-10%	With in limit
3	Sp. Gravity		>7
4	Resistance to Water	3 cycle 3Hrs. At 60+-2C	No de-lamination
5	Mycological Test	3 weak	No de-lamination
6	Adhesion of plies	Minimum Pass, Excellent, Poor	Excellent
7	Static Bending Strength		
a.	MOE- Parallel		
	Average	Not Less Than 4000 N/mm ²	4500 N/mm ²
	Individual	Not Less Than 3600 N/mm ²	4100 N/mm ²
b.	MOE-Perpendicular		
	Average	Not Less Than 2000 N/mm ²	2500 N/mm ²
	Individual	Not Less Than 1800 N/mm ²	2100 N/mm ²
c.	MOR-Parallel		
	Average	Not Less Than 30 N/mm ²	35 N/mm ²
	Individual	Not Less Than 27 N/mm ²	31 N/mm ²
d.	MOR-Perpendicular		
	Average	Not Less Than 15 N/mm ²	19 N/mm ²
	Individual	Not Less Than 13 N/mm ²	15 N/mm ²

Standard Sizes (feet): 8x4, 8x3, 8x2½, 7x4, 7x3, 7x2½

6x4, 6x3, 6x2½, 5x4, 5x3, 5x2½

Standard Thicknesses (mm): 3, 4, 6, 9, 12, 16, 19, 25



BOILING WATER RESISTANT PLYWOOD

Love that Warmth



Boiling Water Resistant (BWR) Plywood

Every Solitaire in its heart carries the warmth of a lifetime. It is the only humble way of showing genuine eligibility to become a tested friend. Garnet BWR Grade Plywood is a legend in this respect. It is brave enough to withstand boiling water up to 72 hours.

BWR acquired this characteristic by Garnet's in-house processing facility of its PF Resin. The ingredients in the resin help to resist termites and fungus and are immune against bio-degradation.

This creates an intrinsic worth in Garnet Plywood.

Ultimately, it turns out to be the primary and most vital choice for exterior woodwork.



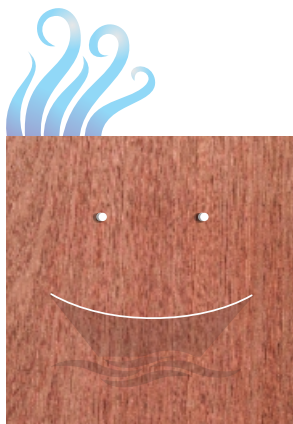
TECHNICAL SPECIFICATIONS (IS:303)

<i>S.No.</i>	<i>Test</i>	<i>ISI Requirement</i>	<i>Observed Value</i>
1	Moisture Content	5% - 15%	8%
2	Dimension	Length +6mm, Width +3mm Thickness ->6mm +5%, <6mm +-10%	With in limit
3	Sp. Gravity		>7
4	Resistance to Water	3 cycle 3Hrs. At 60+-2C	No de-lamination
5	Mycological Test	3 weak	No de-lamination
6	Adhesion of plies	Minimum Pass, Excellent, Poor	Excellent
7	Static Bending Strength		
a.	MOE- Parallel		
	Average	Not Less Than 5000 N/mm ²	5500 N/mm ²
	Individual	Not Less Than 4500 N/mm ²	4900 N/mm ²
b.	MOE-Perpendicular		
	Average	Not Less Than 2500 N/mm ²	2800 N/mm ²
	Individual	Not Less Than 2200 N/mm ²	2400 N/mm ²
c.	MOR-Parallel		
	Average	Not Less Than 40 N/mm ²	48 N/mm ²
	Individual	Not Less Than 36 N/mm ²	40 N/mm ²
d.	MOR-Perpendicular		
	Average	Not Less Than 20 N/mm ²	25 N/mm ²
	Individual	Not Less Than 18 N/mm ²	20 N/mm ²

Available Sizes (feet): 8x4, 8x3, 8x2½, 7x4, 7x3, 7x2½

6x4, 6x3, 6x2½, 5x4, 5x3, 5x2½

Available Thicknesses (mm): 3, 4, 6, 9, 12, 16, 19, 25



MARINE PLYWOOD

Endurance is the Force



Marine (BWP) Plywood

Enchantment of a Solitaire increases many fold when it establishes the quality of the endurance. It is clearly visible in facing diverse and acute climatic conditions – hot, cold, dry and wet and so on. Marine Plywood from Garnet is perfect on this scale. It's a very versatile and strong product. It is manufactured using the highest quality veneers and crafted to give high quality wood in which defects have been graded out.

The elimination of core gaps while cutting makes the wood better than any solid wood with ability to withstand alternate drying – wetting and changes in temperature. Bonding with highly integrated resin gives immeasurable firmness to this plywood. The special permanent preservative resin treatment by Vacuum Pressure Impregnation done with a minimum retention of 12 kg/m³, as specified by ISI, makes Marine Plywood invincible against insects and deadly aquatic organisms.

The inner core vitality and extraordinary strength makes it effective for construction, repair and maintenance of marine and river vessels, railway coaches, bus, trucks, kitchen accessories, toilets and sign boards etc.



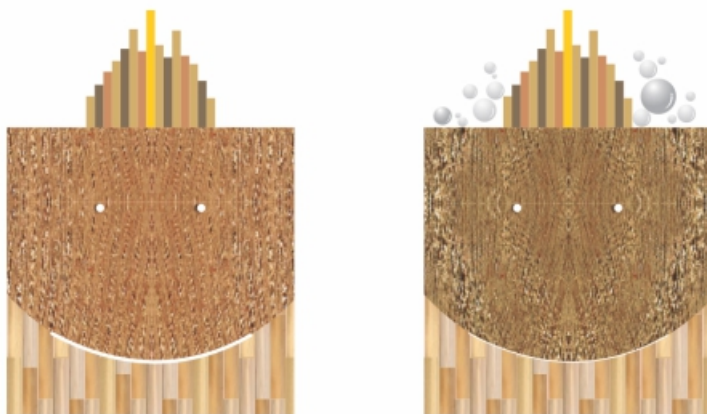
TECHNICAL SPECIFICATIONS (IS:710)

S.No.	Test	ISI Requirement	Observed Value
1	Moisture Content	5% - 15%	8%
2	Dimension	Length +6mm, Width +2mm Thickness ->6mm +-5%, <6mm +-10%	Within limit
3 a.	Glue Adhesion in Dry State Glue Shear Strength Min. Average	Shall be not less than 1350N	1420N
	Min. Individual	Shall be not less than 1100N	1170N
b.	Adhesion of Plies (knife test)	Minimum Pass, Excellent, Poor	Excellent
4 a.	Water Resistance Test Glue Shear Strength Min. Average	72 Hrs. Boiling at 100C	No Delamination
	Min. Individual	Shall be not less than 1000N	1120N
b.	Adhesion of Plies (knife test)	Shall be not less than 800N Minimum Pass, Excellent, Poor	1010N Excellent
5 a.	Tensile Strength Parallel	Shall be not less than 42.0 N/mm ²	54.12 N/mm ²
b.	Perpendicular	Shall be not less than 25.0 N/mm ²	32.21 N/mm ²
c.	Sum of Tensile Strength	Shall be not less than 84.50 N/mm ²	86.33 N/mm ²
6 a.	Static Bending Strength MOE- Parallel Average	Not Less Than 7500 N/mm ²	8500 N/mm ²
	Individual	Not Less Than 6700 N/mm ²	7800 N/mm ²
b.	MOE-Perpendicular Average	Not Less Than 4000 N/mm ²	4600 N/mm ²
	Individual	Not Less Than 3600 N/mm ²	4100 N/mm ²
c.	MOR-Parallel Average	Not Less Than 50 N/mm ²	58 N/mm ²
	Individual	Not Less Than 45 N/mm ²	52 N/mm ²
d.	MOR-Perpendicular Average	Not Less Than 30 N/mm ²	36 N/mm ²
	Individual	Not Less Than 27 N/mm ²	32 N/mm ²

Available Sizes (feet): 8x4, 8x3, 8x2½, 7x4, 7x3, 7x2½

Available Thicknesses (mm): 3, 4, 6, 9, 12, 16, 19, 25

6x4, 6x3, 6x2½, 5x4, 5x3, 5x2½



BLOCK BOARD [7 LAYER]

Wonders of Strength



7 Layer Block Board (MR / BWP)

Every Solitaire is composed of power and timelessness. But a few are Hercules in respect of their towering power. Garnet has introduced a macho Block Board with unmatched strength and great durability for powerful needs. Garnet has provided India this unique 7 layer Block Board, and because of its superior balance construction and incredible strength it is unmatched to any other board in the whole nation. Seasoned to meet both interior and exterior needs, its flexibility and toughness is unparalleled.

Treated with both PF & UF Resins, the boards are powerful enough to provide resistance to termite and other wood destroying elements.



TECHNICAL SPECIFICATIONS (IS:1659)

S.No.	Test	ISI Requirement	Observed Value	
1	Manufacture			
a.	Width of Beat	Not more than 30 mm	28mm	
b.	Width of Rail (Frame)	May be upto 45 mm	46mm	
c.	Moisture(Beats&Rail)	Between 8 to 12 %	8.20%	
2	Dimension	Length +6mm, Width +3mm Thickness -> +-5%, Squareness & Edge Straightness - 2mm per 1000mm,	With in limit	
3	Mycological Test	3 Weak	No de-lamination	
4	Resistance to Water	BWP-6 Cycle 8Hrs. At 100C	No de-lamination	
5	Adhesion of Plies	Minimum Pass, Excellent, Poor	Excellent	
6	Dimensional changes caused by Humidity	Difference in Length = +- 1mm Difference in Thickness = +- 1mm Difference in Length = +- 1mm Difference in Thickness = +- 1mm Shall be d/l <1/50	MR	BWP
a.	At 90+-5 % R.H & 27+-2C Temp.		0.39mm	0.35mm
b.	At 45+-5 % R.H & 27+-2C Temp.		0.22mm	0.20mm
c.	Local Planeness		0.0011mm	0.0015mm
7	Modulus of Elasticity (MOE)		MR	BWP
	Average	Not Less Than 4000 N/mm ²	4800 N/mm ²	5800 N/mm ²
	Individual	Not Less Than 3400 N/mm ²	4100 N/mm ²	5100 N/mm ²
8	Modulus of Rupture (MOR)		MR	BWP
	Average	Not Less Than 40 N/mm ²	46 N/mm ²	56 N/mm ²
	Individual	Not Less Than 34 N/mm ²	42 N/mm ²	52 N/mm ²

Available Sizes (In feet): All standard Sizes.

Grades : MR / BWP

Available Thicknesses (In mm): 19 and 25



NATURAL DECORATIVE VENEERS

Nature's Angel



Natural Decorative Veneers

Garnet is the Solitaire of the wood. A Solitaire is the best of both the worlds. It is the fine palette of beauty and elegance as well a treasured entity. Natural Decorative Plywood from Garnet is the epitome of such aesthetic beauty. Blend of exquisite textures and style, it is made from exclusive timber of superior quality.

The perfect grains give special finish to plywood for furniture and wall coverings. Made from Double and Triple Hot Press Technology and calibrated for equal thickness at all points, Natural Decorative Plywood has exceptional finish. Resistant to moisture, temperature and micro-organisms, it is a unique fusion of innovation, creativity and strength.

A unique expression of lively colours and designs, Garnet Natural Decorative Plywood is the finest choice to decorate your dreams.



TECHNICAL SPECIFICATIONS (IS:1328)

<i>S.No.</i>	<i>Test</i>	<i>ISI Requirement</i>	<i>Observed Value</i>
1	Open Splits	Not more than 150mm length and 0.5mm in width rectified with veneer insert bonded with synthetic resin	No open splits
2	Torn grain, dead knots,dote, discolouration and sapwood	Free from such defect.	Free from such defect.
3	Moisture Content	5% - 15%	8%
4	Dimension	Length +6mm, Width +3mm Thickness ->6mm +-5%, <6mm +-10%	With in limit
5	Wate Resistance Test	No Delamination & Blister Formation	No Dilamination No Blister formation
6	Adhesion of Plies (knife test)	Minimum Pass, Excellent, Poor	Excellent

Available Sizes (feet): As per requirement

Grades : MR

Available Thicknesses (mm):
As per requirement

SMOKED

V E N E E R S

for full range of smoked veneer please ask for natural veneer album

ROUGH CUT

V E N E E R S

for full range of Rough Cut veneer please ask for natural veneer album



FIGURED

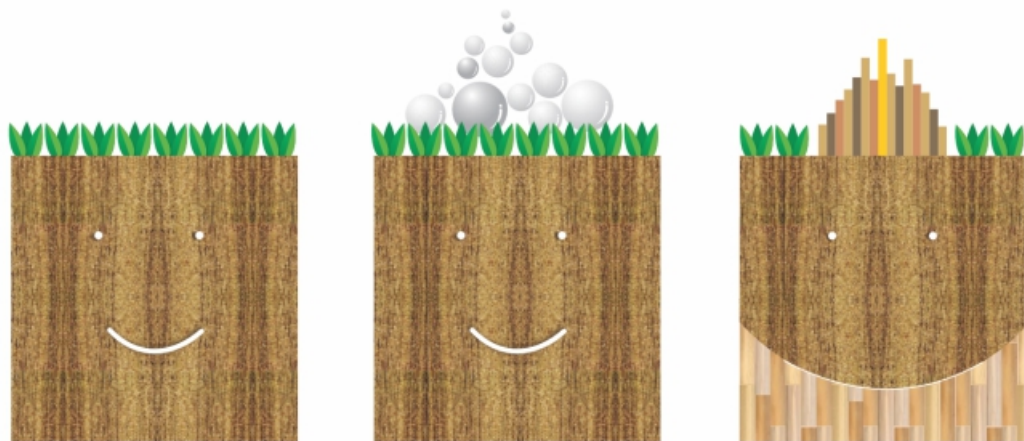
V E N E E R S

for full range of Figured veneer please ask for natural veneer album

DYED

V E N E E R S

for full range of Dyed veneer please ask for natural veneer album



TEAK PLY & TEAK BOARD (7Layer)

Adore the Ageless Beauty

TEAK

V E N E E R S

for full range of Teak veneer please ask for natural veneer album

Teak Ply & 7 Layer Teak Board (MR / BWR & BWP)

A Solitaire oozes strength. Garnet boasts that. Toughness describes its effort in becoming invincible. Garnet offers Teak Plywood and Teak Block Boards to enhance your desire for beauty. Teak being the most durable, hardest timber with amazing toughness is the first choice for mature minds.

Its natural golden hue also radiates a royal look giving enormous regal charm to the woodwork. Made from high quality teak veneers with advanced technology, Garnet Teak veneer reflects impeccable strength. It is resistant to moisture, temperature changes and micro-organisms making it a gift of lifetime.

So, it is aptly used to play and highlight the beauty of your décor and other strong needs in the interior and even for outdoor requirements such as benches and stalls. The excellent craftsmanship of Garnet combined with the personality of Teak resulted in wonderful show to please the senses.



TECHNICAL SPECIFICATIONS (IS:1328)

S.No.	Test	ISI Requirement	Observed Value
1	Open Splits	Not more than 150mm length and 0.5mm in width rectified with veneer insert bonded with synthetic resin	No open splits
2	Torn grain, dead knots, dote, discolouration and sapwood	Free from such defect.	Free from such defect.
3	Moisture Content	5% - 15%	8%
4	Dimension	Length +6mm, Width +3mm Thickness ->6mm +-5%, <6mm +-10%	With in limit
5	Wate Resistance Test	No Delamination & Blister Formation	No Dilamination No Blister formation
6	Adhesion of Plies (knife test)	Minimum Pass, Excellent, Poor	Excellent

Available Sizes (feet): 8x4, 8x3, 8x2½, 7x4, 7x3, 7x2½
6x4, 6x3, 6x2½, 5x4, 5x3, 5x2½

Grades : MR, BWR & BWP

Available Thicknesses (mm):
3, 4, 6, 9, 12, 19, 25



RECONSTITUTED DECORATIVE VENEERS

Fabrics of Emotions



Reconstituted Decorative Veneers

Solitaire is pure as soul. Only a blessed touch can reveal its inner beauty. Garnet Recon decorative Plywood reflects the soul of the solitaire. The exterior is only a reflection of heart of human craftsmanship.

Made from handpicked veneers of quality and strength, Garnet recon has unique designs reconstituted by human emotions with nature. Designed to display more than 100 versions, they pamper distinct tastes. Sliced, dyed and pressed using latest technology, Garnet Recon Decorative Plywood is principal preference of millions.



TECHNICAL SPECIFICATIONS (IS:1328)

<i>S.No.</i>	<i>Test</i>	<i>ISI Requirement</i>	<i>Observed Value</i>
1	Open Splits	Not more than 150mm length and 0.5mm in width rectified with veneer insert bonded with synthetic resin	No open splits
2	Torn grain, dead knots, dote, discolouration and sapwood	Free from such defect.	Free from such defect.
3	Moisture Content	5% - 15%	8%
4	Dimension	Length +6mm, Width +3mm Thickness ->6mm +-5%, <6mm +-10%	With in limit
5	Wate Resistance Test	No Delamination & Blister Formation	No Dilamination No Blister formation
6	Adhesion of Plies (knife test)	Minimum Pass, Excellent, Poor	Excellent

Available Sizes (feet): As per requirement

Grades : MR

Available Thicknesses (mm):
As per requirement

Group 'A'

*for full range of Group 'A' veneers please ask for **Reconstituted** veneer album*

Group 'B'

for full range of Group 'C' veneers please ask for **Reconstituted** veneer album

Group 'C'

for full range of Group 'D' veneers please ask for **Reconstituted** veneer album

Group 'D'

for full range of Group 'E' veneers please ask for Reconstituted veneer album

Group 'E'

for full range of Group 'F' veneers please ask for **Reconstituted** veneer album

Group 'F'

for full range of Group 'F' veneers please ask for **Reconstituted veneer album**



FLUSH DOOR (7 LAYER)

Into the Safe Heavens



7 Layer Flush Door (BWP)

The core of Solitaire is unyielding as it is rock-hard. But its exterior is pleasing to melt one's heart. This quality of a true Solitaire transforms it into a Samurai – sharp and smooth. Styled in this way are Garnet Flush Doors – **Strong as well as elegant.**

Made by using high quality veneers with superior framing and paneling techniques, Garnet Flush Doors are a class apart. Ensuring security and great impression, they are **perfect for all needs.** Conforming to IS: 2202, they are available in a vast range of sizes and standard thicknesses.

Designed to match distinct tastes and imaginations, Garnet Flush Doors magnify the exquisiteness of interiors and other places where they are installed.



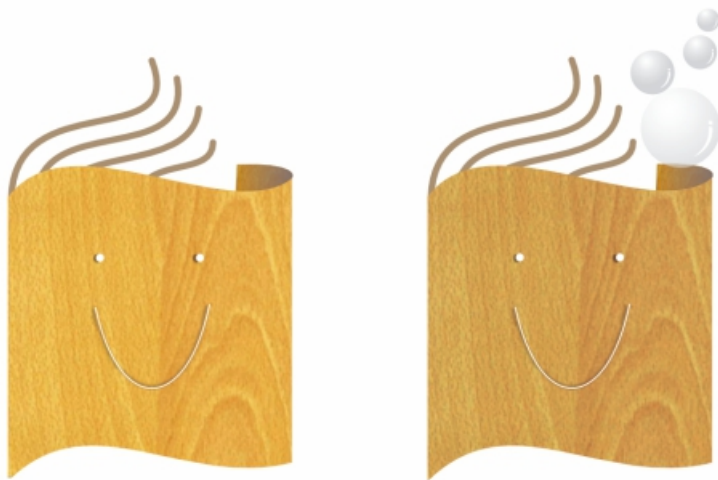
TECHNICAL SPECIFICATIONS (IS:2202;1999 BWP Part-1)

S.No.	Test	ISI Requirement	Observed Value
1	Construction	a. Width of Frame between 45 & 75mm b.Width of each strip of wood <- 30mm c. Moisture content of strip <- 12% d. Core Strip Shall be of one Species only e. Stiles & Rails Shall be w/o any Joint f. Thickness of Core band between 1&3mm g. Thickness of Face Veneer between 0.5 & 1.5 mm	47mm 27mm 8.90% Safeda, Popular Within limit 1.9mm 0.5mm
2	Dimension	Height +5mm, Width +5mm Thickness +/- 1mm,& Squareness-shall not more than 1mm, in 500mm	Within in limit
3	General Flatness Test	Twist, Cupping, Warping shall not be more than 6mm	0.58mm
4	Local Planeness Test	Depth of deviation shall not be more than 0.5mm	0.46mm
5	Impact Indentation Test	Depth of deviation shall not be more than 0.2mm	0.13mm
6	Edge Loading Test	At Max.load-Deflection of edge<5mm..... on removal of load-residual deflection<0.5mm	1.23mm 0.08mm
7	Shock Resistance Test	No visible damage in any part of the door after 25 blows	No Visible defects
8	Buckling Test	Initial deflection < 50mm Residual deflection not more than 5mm after 15 minutes	35mm 1.5mm
9	Slamming Test	No visible damage after Test	No Visible damage
10	Misuse Test	No visible damage after Test	No deformation
11	Varying Humidity Test	No visible warping, twisting, or De-lamination	No such defects observed
12	End Immersion Test	Shall have no delamination at the end of 8 cycle	No de-lamination
13	Flexure Test	Deflection at the Max. load shall not be more than 1/30 of the length & 1/15 of Width Residual deflection shall not be more than 1/10 of Max deflection	within limit within limit
14	Knife Test	Min.Pass, Excellent,Poor	Excellent
15	Glue Adhesion Test	No delamination has occurred in the glue line at 100C temp. till 4 Hrs. & Dry 24Hrs. At ambient temp	No de-lamination
16	Screw Withdrawal Test	Load to withdraw Screw to be more than 1000 N	1220N

Available Sizes (feet): Available as per requirement

Grades : BWP

Available Thicknesses (mm): 30, 32, 35, 38, 40, 45



FLEXIBLE PLYWOOD

Mesmerising Magical



Flexible Plywood (MR / BWR)

The aura of a Solitaire imparts magic touch to its holder. That touch, in turn, liberates the freedom, expression and character of the soul. Garnet Flexy is a matchless product offered to supplement the creative aspirations of furniture lovers. A promising product, especially for furniture makers, with magical abilities, it can mould and bend to take any shape with great ease. It does not clip, crack, peel or gets stained while bending, enabling craftsmen to pursue their innovative visions.

Available in MR / BWR grades as well as various sizes of sheets, it can be bent by hand. It does not require any special equipment to bend, fabricate or laminate, making easy to use and handle. A small radius up to 25 mm can be achieved, making it a wonder product, right and proper for all kinds of shapes. Garnet Flexy, furnishes it touch to creative freedom and expression of its lovers.

Quadro^{x4}
» Pressed «

HIGH PRECISION
CALIBRATION
> Equal at Every Corner and Surface <

Also available in

GORJAN
EXCELLENT STRENGTH AND DURABILITY

3 Steps through **ITALIAN** Machine
WIDE Belt Sander

TECHNICAL SPECIFICATIONS (IS: 303)

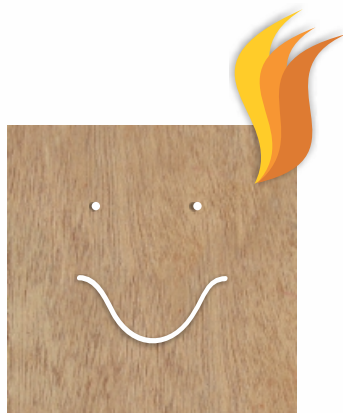
S.No.	Test	ISI Requirement			Observed Value	
1	Moisture Content	5% - 15%		8%		
2	Dimension	Length +6mm, Width +3mm Thickness ->6mm +-5%, <6mm +-10%			With in limit	
3	Sp. Gravity	>7				
4	Resistance to Water	3 cycle 3Hrs. At 60+-2C			No de-lamination	
5	Mycological Test	3 weak		No de-lamination		
6	Adhesion of plies	Minimum Pass, Excellent, Poor			Excellent	
7	Static Bending Strength		MR	BWR	MR	BWR
a.	MOE- Parallel					
	Average	Not Less Than	4000 N/mm2	5000 N/mm2	4500 N/mm2	5500 N/mm2
	Individual	Not Less Than	3600 N/mm2	4500 N/mm2	4100 N/mm2	4900 N/mm2
b.	MOE-Perpendicular					
	Average	Not Less Than	2000 N/mm2	2500 N/mm2	2500 N/mm2	2800 N/mm2
	Individual	Not Less Than	1800 N/mm2	2200 N/mm2	2100 N/mm2	2400 N/mm2
c.	MOR-Parallel					
	Average	Not Less Than	30 N/mm2	40 N/mm2	35 N/mm2	48 N/mm2
	Individual	Not Less Than	27 N/mm2	36 N/mm2	31 N/mm	40 N/mm2
d.	MOR-Perpendicular					
	Average	Not Less Than	15 N/mm2	20 N/mm2	19 N/mm2	25 N/mm2
	Individual	Not Less Than	13 N/mm2	18 N/mm2	15 N/mm2	20 N/mm2

Available Sizes (feet): 8x4, 8x3, 8x2½, 7x4, 7x3, 7x2½

Grades: MR / BWR

Available Thicknesses (mm): 4, 6, 9, 12

6x4, 6x3, 6x2½, 5x4, 5x3, 5x2½



FIRE RETARDANT PLYWOOD

Beating Heat with Smile



Fire Retardant Plywood (BWP)

Solitaires possess a compact structure to fence against any evils. Be it the pressure of any kind, **heat or fire** or application of any other force. Garnet Fire Retardant Plywood is the latest entry in the diverse range of products from Garnet. Result of visionary research and development at Garnet, it offers **extensive protection against fire**. It is much safer than other products as it considerably diminishes the impact of fire.

The plywood is treated with **superior quality resins** capable of **retarding fire**. They diminish the rate at which fire spreads or invades the surface of plywood. Henceforth, in the face of mishap, the plywood maintains its basic constitution for a longer duration in contrast to other building materials. Garnet Fire Retardant Plywood has its applications in **Kitchens, Aerodromes, Petrol Pumps, Multi-storey buildings and Laboratories**.



TECHNICAL SPECIFICATIONS (IS:5509;2000 BWP)

<i>S.No.</i>	<i>Test</i>	<i>ISI Requirement</i>	<i>Observed Value</i>
1	Moisture Content	5% - 15%	8%
2	Dimension	Length +6mm, Width +3mm Thickness ->6mm +-5%, <6mm +-10%	With in limit
3	Fire Retardant Test		
a.	Flammability Test	Time taken for second ignition shall not be less than 30 minutes	24 Minutes
b.	Flame Penetration Test	Time taken for Flame Penetration shall not be less 15 minutes for every 6mm thickness	22 Minutes
c.	Rate of Burning	Time taken to lose weight from 30% to 70% shall not be less than 20 minutes	12 Minutes
4	Adhesion Test	Minimum Pass, Excellent , poor	Excellent
5	Wate Resistance Test	BWR - 3Cycles 8Hrs.at 100C	No Delamination

Available Sizes (feet): All standard sizes

Available Thicknesses (mm): All standard thickness

Futuristic Wisdom

To meet future concerns with the ever evolving **eco-friendly wood solutions** for the smart consumers, Garnet is consistently investing resources in research and development.

Unabashed with the **changing values**, Garnet is steadfast in **innovating** bright versions of products **higher on the scale of strength and design.**

Excellence
carved by



years
of experience
to inspire
the *next 50.*



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