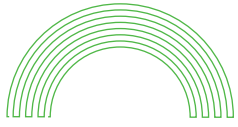


# MDF KA DOOSRA NAAM

## MDF RANGE





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## 1 About Greenpanel Industries Ltd.

The largest manufacturer of wood panel in India.

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## 2 Brand Journey

Greenpanel expansion and growth.

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## 3 Why Greenpanel MDF?

Excellence. Innovation. Sustainability

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## 4 Our Range of MDF

Available in multiple grades, sizes & thicknesses that conform to International Standard.

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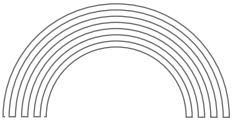


# About Greenpanel Industries Ltd.

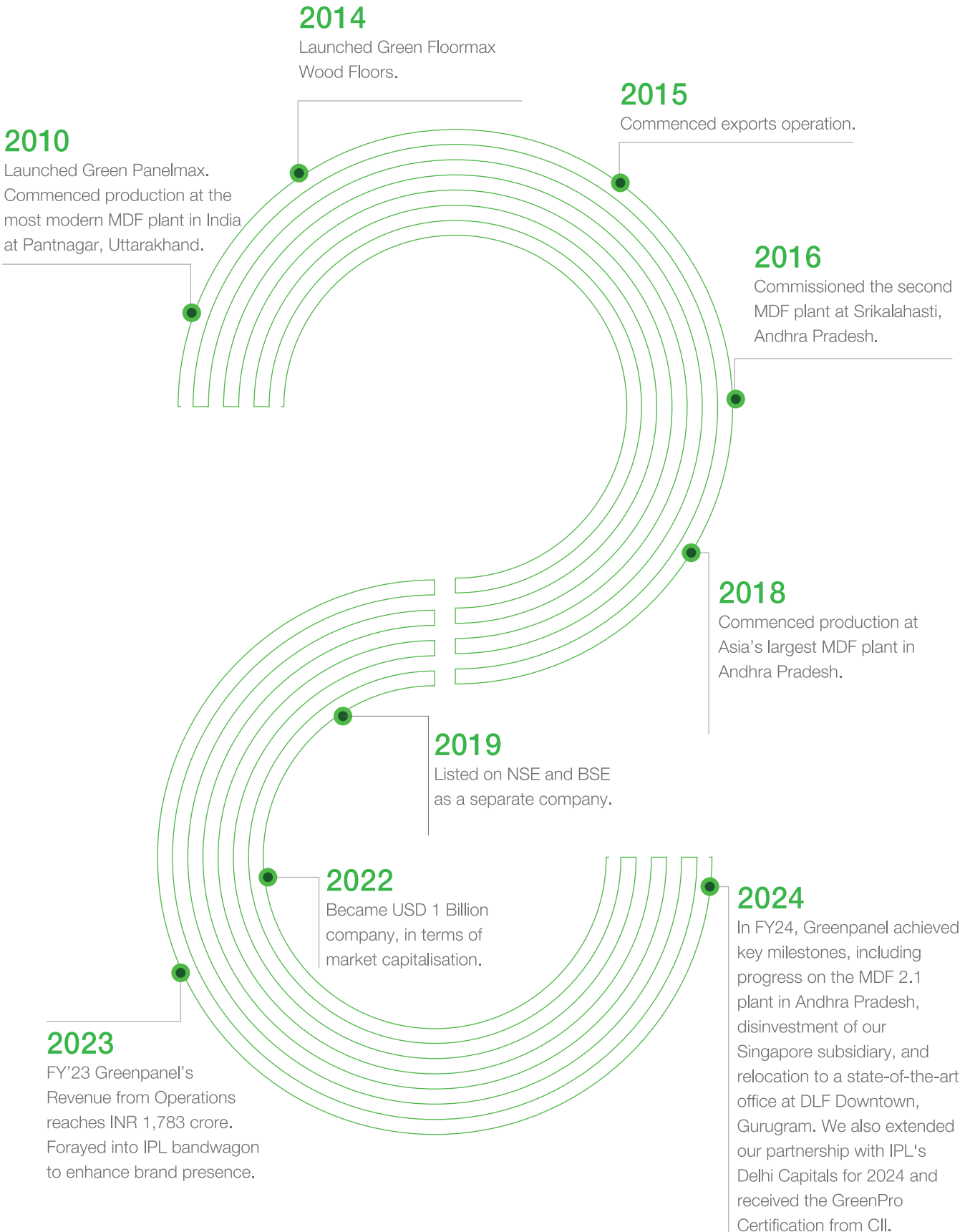
Greenpanel is India's largest wood panels manufacturer. Renowned for top-quality Medium Density Fiberboard (MDF), Plywood, Pre-Laminated MDF, and Wooden Flooring. With state-of-the-art facilities in Uttarakhand and Andhra Pradesh, innovation and sustainability are part of our DNA.

We take pride in our Greenpanel MDF, which is crafted exclusively from 100% renewable agro-forestry wood, demonstrating our commitment to environmental responsibility.

We are the largest MDF manufacturer in India, our annual production capacity is 660,000 cubic meters, and our extensive network of over 3,000 outlets ensures convenient access to our premium products.



# Brand Journey





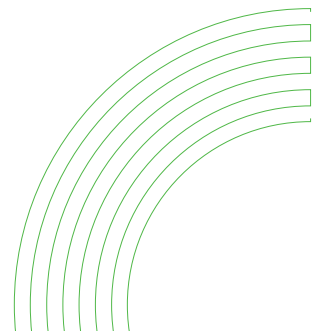


## The Big Differentiator

### Why Greenpanel MDF?

Excellence. Innovation. Sustainability.

Greenpanel, India's No.1 MDF Company®, is committed to providing high-performance wood panel products that not only adhere to both international and Indian standards but also delight consumers with limitless possibilities.

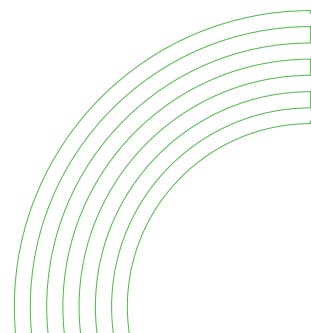






## Environment Friendly & Sustainable Practices

- Our wood is sourced from Eucalyptus, Subabul, and Casuarina agroforests.
- Our manufacturing plants adhere to a zero-waste system, where all wood scraps are utilized to power the plant and facilitate water management.
- We encourage agroforestry among farmers by providing them with our saplings, thereby generating a source of livelihood for them.
- Our production process does not cause harm to the ecosystem.







## State-of-the-art Manufacturing Process

Thanks to the exclusive and automated German technology used in our plants, our high-capacity output is in line with international standards.



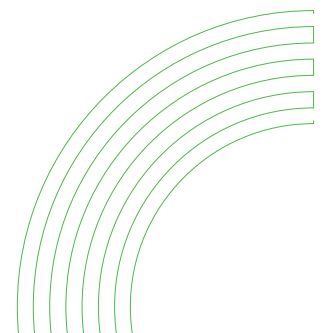


## Our range of MDF

As a new-age progressive wood panel brand, Greenpanel has always strived to create products that suit consumer needs and convenience. That's why we ventured into MDF, an engineered wood that has limitless applications. Our wide range of MDF boards are available in multiple sizes, thicknesses, and grades that conform to Indian and international standards.

## Greenpanel MDF is available in the following grades:

HDWR | Exterior Grade MDF | Interior Grade MDF | E1/E0.5/CARB  
P2 MDF | Pre-Laminated MDF







Greenpanel

**HDWR**

WATER RESISTANT



# Greenpanel

## HDWR

WATER RESISTANT

### Termite & Fungus Resistant and Borer-Proof\*

Greenpanel HDWR board is a new class of wood-based panel products and a perfect substitute for local plywood. The high-performance board has excellent water resistance, high density, durability, and exceptional dimensional stability. That's not all, these boards are termite & fungus resistant and borer-proof\*.

HDWR is best suited for a wide range of applications such as paneling, furniture, construction, commercial spaces interiors, wet area applications, etc.

## 10 reasons to buy HDWR

- High density: Strong, durable, and easy to mill.
- Water resistant: Suitable for wet areas like bathroom cabinets and kitchen shutters.
- Super smooth surface: Suitable for paint, polish, and lamination.
- Termite & fungus resistant and borer-proof\*.
- Bonded with high-quality MUF resin to enhance water resistance and overall performance of the HDF board.
- Can easily be cut, shaped, routed, molded, and bored with woodworking equipment and tools.
- Can be used for pre and post lamination.
- Versatile applications: Hundreds of applications.
- Support for high loads: Load-bearing capacity.
- Dimensional stability: Uniform surface, irrespective of the weather. Resistant to warping and bending.



\*T & C Apply





# Wide Range

## HDWR

WATER RESISTANT

Our range of products is available in several sizes and thicknesses.

### Size (millimeters)\*

- Plain: 2440 mm x 1220 mm, 2440 mm x 1830 mm
- Pre-Lam: 2440 mm x 1220 mm, 2440 mm x 1830 mm

### Thickness (millimeters)\*

- 3 mm, 5.5 mm, 7.5 mm, 11 mm, 16 mm, 16.75 mm, 18 mm & 25 mm

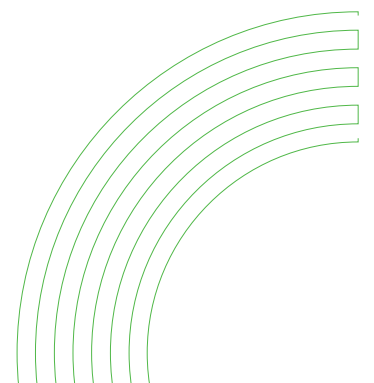
\*Sizes & thicknesses can be customized as per the MOQ and discretion of Greenpanel.

### Characteristics

HDWR is a high-density and water-resistant board that makes it ideal for wet area applications and has great load-bearing capacity. Uniform thickness, super smooth surface, excellent dimensional stability, termite & fungus and borer proof\*, high-screw holding capacity, and internal bond make Greenpanel HDWR most suitable for multi-purpose applications.

### Recommended Applications

Recommended for furniture, retail fixtures, kitchen cabinets & shutters, vanity cabinets, shelves, doors & cupboards.



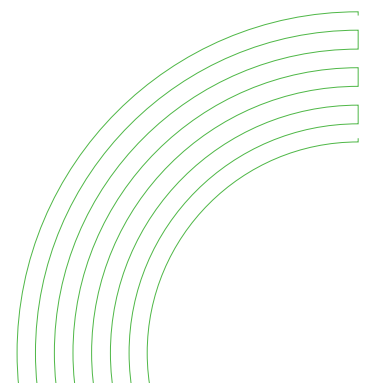
# Technical Specifications

## HDWR WATER RESISTANT

(As per BIS Standard IS 12406:2021)

PROPERTIES	UNIT	GREENPANEL HDWR BOARD RESULTS (AS PER THICKNESSES)					
		(> 2.5 to 4.0)	(> 4.0 to 6.0)	(> 6.0 to 9.0)	(> 9.0 to 12.0)	(> 12.0 to 19.0)	(> 19 to 30.0)
Thickness	mm						
Density	kg/m <sup>3</sup>	850	850	850	850	825	780
Moisture content, percent	%	5-10	5-10	5-10	5-10	5-10	5-10
Thickness Swelling	% Max.	30	18	12	10	8	7
Internal Bond Strength	N/mm <sup>2</sup> , Min	0.70	0.70	0.70	0.65	0.65	0.60
Internal Bond Strength							
a) After cyclic test	N/mm <sup>2</sup> , Min	0.35	0.35	0.3	0.25	0.2	0.15
OR							
b) After accelerated water resistance test		0.20	0.20	0.15	0.15	0.12	0.12
Modulus of Rupture							
a) Average	N/mm <sup>2</sup> , Min	27	27	27	26	24	22
Modulus of Elasticity							
a) Average	N/mm <sup>2</sup> , Min	2800	2700	2700	2500	2400	2300
b) Individual			2500	2400	2400	2300	2100
Screw Withdrawal Strength							
a) Face	N, Min.	1250					
b) Edge		850					
Formaldehyde content (Fc)	mg/100 g for oven dry board	Formaldehyde class, E1 – Fc ≤ 8					
		Formaldehyde class, E2 – 8 < Fc ≤ 30					

\*Our test results are significantly superior to the BIS prescribed values.







## Dimension Tolerance

(Applicable to all thickness levels)

Thickness tolerance	± 0.3 mm
Length and width tolerance	± 3 mm/m
Squareness, Max	2 mm/m
Edge straightness, Max	2 mm/m

## Greenpanel HDWR adheres to the following International Standards

- BS EN 622-5/2009 (British Standards)
- ISO 16895-2016 MR 2 (GP, FN) (Global Standards)
- JIS 5905-2003 (Type 25 & 30) (Japan)



## Emission Class

E2 & E1

## Standards

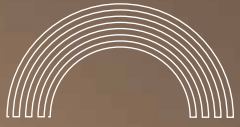
Adheres to BIS Standards 12406:2021

## Color

Green

## Certificates

ISO 9001: 2015, ISO 14001: 2015, ISO 45001:2018, FSC®, CARB, EPA, CE, Green Pro and Green building certificates. The Andhra Pradesh Plant is Green Gold certified. Greenpanel MDF qualifies as a green product.



# EXTERIOR Grade MDF





# Greenpanel Exterior Grade MDF

Greenpanel Exterior Grade MDF is an engineered wood panel product that's homogenous and consistent, from surface to core. It is known for its versatility, high quality, superior design capabilities, and environmental stewardship.

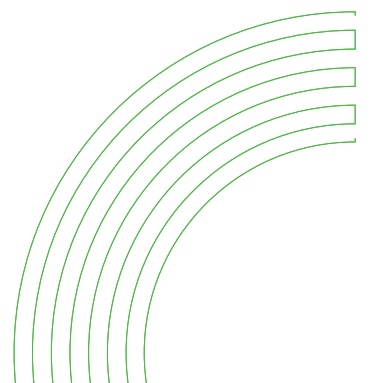
As per the latest BIS Standard IS 12406:2021, Greenpanel Exterior Grade MDF can be used for a wide range of exterior applications as it is Moisture Resistant. Thanks to the high-quality melamine resin utilized there is strong internal bonding between fibers which leads to dimensional stability and prevents it from swelling, even where there is high moisture content. In addition, it is also termite, fungus resistant & borer proof\*.

## 8 reasons to buy Exterior Grade MDF

- Manufactured from selected hardwood timber
- Termite & fungus resistant and borer proof\*
- Bonded with high-quality MUF resin that enhances water resistance and the overall performance of the MDF board
- Can be easily cut, shaped, routed, molded and bored with woodworking equipment and tools
- Limitless applications
- Easy to mill - High density enables the board to be milling friendly
- Support for high loads - Load-bearing capacity
- Dimensional stability - Uniform surface all across irrespective of the weather. Resistant to warping and bending.



\*T & C Apply



# Wide Range Exterior Grade MDF

Our range of products is available in several sizes and thicknesses.

## Size (millimeters)\*

- Plain: 2440 mm x 1220 mm and 2440 mm x 1830 mm
- Pre-Lam: 2440 mm x 1220 mm and 2440 mm x 1830 mm

## Thickness (millimeters)\*

- 3.3 mm, 5.5 mm, 7.5 mm, 11 mm, 12 mm, 16.5 mm, 17 mm, 18 mm, 25 mm, 30 mm & 35 mm

\*Size & thicknesses can be customized as per the MOQ and discretion of Greenpanel.

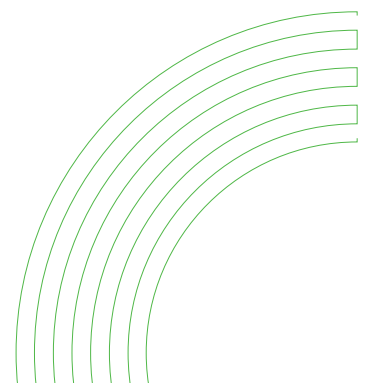
## Characteristics

Greenpanel Exterior Grade MDF is a highly recommended wood panel material for 'Residential-Commercial spaces' and 'dry to high humidity prone interior applications'.

## Recommended Applications

The overall strength and smooth surface of the MDF board make it suitable for painting and provide a uniform substrate for overlaying. Due to its homogenous structure, Exterior Grade MDF boards can be milled in 3D and then painted.

Greenpanel Exterior Grade MDF is recommended for furniture, retail fixtures, and shutters, vanity cabinets, shelves, doors and cupboards.




\*T & C Apply

# Technical Specifications

## Exterior Grade MDF

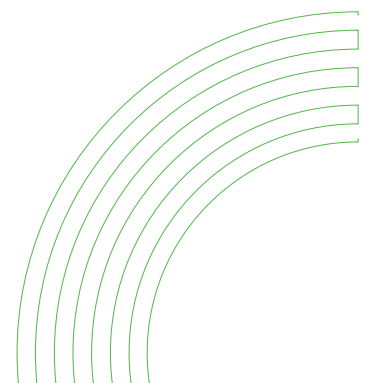
(As per BIS Standard IS 12406:2021)

PROPERTIES	UNIT	GREENPANEL EXTERIOR GRADE RESULTS (AS PER THICKNESSES)					
Thickness	mm	(> 2.5 to 4.0)	(> 4.0 to 6.0)	(> 6.0 to 9.0)	(> 9.0 to 12.0)	(> 12.0 to 19.0)	(> 19 to 30.0)
							
Moisture content, percent	%	5-10	5-10	5-10	5-10	5-10	5-10
Thickness Swelling	% Max.	30	18	12	10	8	7
Internal Bond Strength	N/mm <sup>2</sup> , Min	0.70	0.70	0.70	0.65	0.65	0.60
Internal Bond Strength							
a) After cyclic test		0.35	0.35	0.3	0.25	0.2	0.15
OR							
b) After accelerated water resistance test	N/mm <sup>2</sup> , Min	0.20	0.20	0.15	0.15	0.12	0.12
Modulus of Rupture							
a) Average		27	27	27	26	24	22
b) Individual	N/mm <sup>2</sup> , Min	24	24	24	23	21.5	19.5
Modulus of Elasticity							
a) Average		2800	2700	2700	2500	2400	2300
b) Individual	N/mm <sup>2</sup> , Min	2500	2400	2400	2300	2100	2000
Screw Withdrawal Strength							
a) Face		1250					
b) Edge	N, Min.						850
Formaldehyde content (Fc)	mg/100 g for oven dry board	Formaldehyde class, E1 – Fc ≤ 8					
		Formaldehyde class, E2 – 8 < Fc ≤ 30					

\*Our test results are significantly superior to the BIS prescribed values.



\*T & C Apply







## Dimension Tolerance

(Applicable to all thickness levels)

Thickness tolerance	$\pm 0.3 \text{ mm}$
Length and width tolerance	$\pm 3 \text{ mm/m}$
Squareness, Max	2 mm/m
Edge straightness, Max	2 mm/m

## Greenpanel Exterior Grade MDF adheres to the following International Standards

- BS EN 622-5/2009 (British Standards)
- ISO 16895-2016 MR 2 (GP, FN) (Global Standards)
- JIS 5905-2003 (Type 25 & 30) (Japan)



## Emission Class

E2 & E1

## Standards

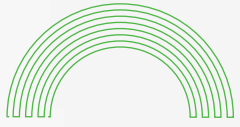
Adheres to BIS Standards 12406:2021

## Color

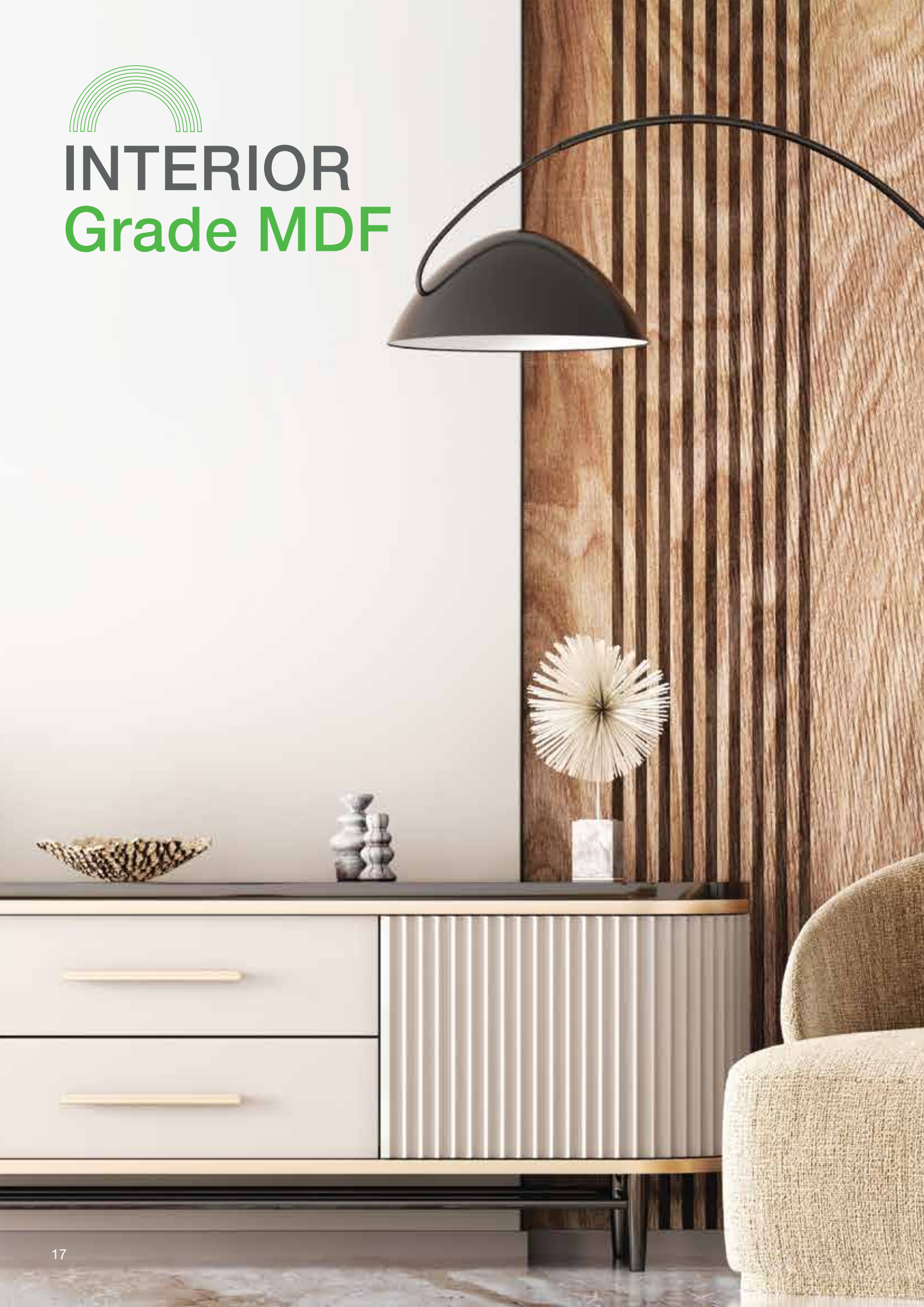
Pink

## Certificates

ISO 9001: 2015, ISO 14001: 2015, ISO 45001:2018, FSC®, CARB, EPA, CE, Green Pro and Green building certificates. The Andhra Pradesh Plant is Green Gold certified. Greenpanel MDF qualifies as a green product.



# INTERIOR Grade MDF







# Greenpanel Interior Grade MDF

## Pocket-friendly & versatile

Greenpanel's premier regular density MDF board, known as Interior Grade, stands out for its exceptional attributes. With a uniform fine texture, robust bonding strength, inherent stability, and ease of machinability, this product finds versatile applications in both residential and commercial interiors. Whether used for cupboards, wardrobes, wall panels, tabletops, toys, trophies, or handicrafts, Greenpanel Interior Grade MDF demonstrates limitless potential in design. It is crucial to note that this product is recommended exclusively for interior use and should not be subjected to dampness or high humidity.

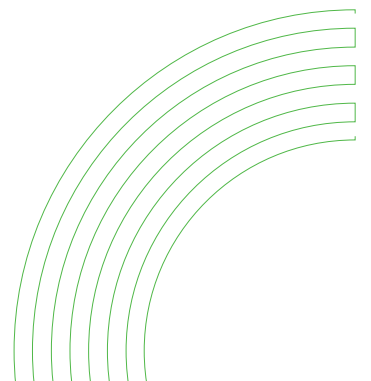
## Reasons to buy Interior Grade MDF

It's versatile, elegant, and oh-so-perfect!

-  Smooth as a feather in flight.
-  Easily carved and routed.
-  Weather resistant with added elegance.
-  Termite, fungus and borer resistant\*.



\*T & C Apply





# Wide Range Interior Grade MDF

Our range of products is available in several sizes and thicknesses.

## Size (millimeters)\*

- Plain: 2440 mm x 1220 mm, 2440 mm x 1830 mm, 1830 mm x 1220 mm
- Pre-Lam: 2440 mm x 1220 mm, 2440 mm x 1830 mm

## Thickness (millimeters)\*

- 1.9 mm, 2.1 mm, 3.3 mm, 3.6 mm, 4 mm, 4.6 mm, 5.5 mm, 7 mm, 7.3 mm, 7.5 mm, 9.75 mm, 11 mm, 14.5 mm, 16.5 mm, 17 mm, 18 mm, 25 mm and 30 mm

\*Size & thicknesses can be customized as per the MOQ and discretion of Greenpanel.

## Characteristics

It is a premium regular-density board perfect for a wide range of residential and commercial interior designs. With its homogenous fine texture, exceptional bonding strength, inherent stability, and easy machinability, this MDF board offers endless possibilities.

## Recommended Applications

With a smooth surface, excellent modulus of elasticity, high load-bearing capacity and strong internal bond, Greenpanel Interior Grade MDF is highly recommended for 'residential dry space interior applications'.



\*T & C Apply

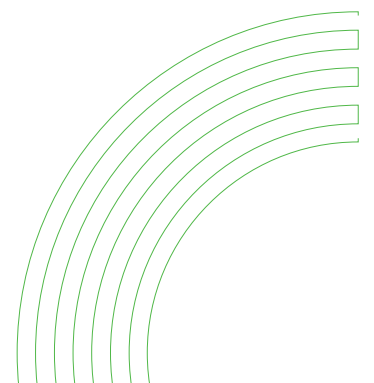
# Technical Specifications

## Interior Grade MDF

(As per BIS Standard IS 12406:2021)

PROPERTIES	UNIT	GREENPANEL INTERIOR GRADE RESULTS (AS PER THICKNESSES)						
Thickness	mm	≤ 2.5	(> 2.5 to 4.0)	(> 4.0 to 6.0)	(> 6.0 to 9.0)	(> 9.0 to 12.0)	(> 12.0 to 19.0)	(> 19 to 30.0)
Density	kg/m <sup>3</sup>	770-780	760-770	740-750	740-750	720-730	710-720	670-700
Moisture content, percent	%	5-10	5-10	5-10	5-10	5-10	5-10	5-10
Thickness Swelling	% Max.	45	35	30	17	15	12	10
Internal Bond Strength	N/mm <sup>2</sup> , Min	0.65	0.65	0.65	0.65	0.6	0.55	0.55
Modulus of Rupture								
a) Average	N/mm <sup>2</sup> , Min	23	23	23	23	22	20	18
b) Individual		20.5	20.5	20.5	20.5	19.5	18	16
Modulus of Elasticity								
a) Average	N/mm <sup>2</sup> , Min	2800	2800	2700	2700	2500	2200	2100
b) Individual		2500	2500	2400	2400	2250	1950	1900
Screw Withdrawal Strength								
a) Face	N, Min.	1250						
b) Edge		700						
Formaldehyde content (Fc)	mg/100 g for oven dry board	Formaldehyde class, E1 – Fc ≤ 8						
		Formaldehyde class, E2 – 8 < Fc ≤ 30						

\*Our test results are significantly superior to the BIS prescribed values.





## Dimension Tolerance

(Applicable to all thickness levels)

Thickness tolerance	± 0.3 mm
Length and width tolerance	± 3 mm/m
Squareness, Max	2 mm/m
Edge straightness, Max	2 mm/m

## Greenpanel Interior Grade MDF adheres to the following International Standards

- BS EN 622-5/2009 (British Standards)
- ISO 16895-2016 MR 2 (GP, FN) (Global Standards)
- JIS 5905-2003 (Type 25 & 30) (Japan)



## Emission Class

E2 & E1

## Standards

Adheres to BIS Standards 12406:2021

## Color

Brown/Natural Wood

## Certificates

ISO 9001: 2015, ISO 14001: 2015, ISO 45001:2018, FSC®, CARB, EPA, CE, Green Pro and Green building certificates. The Andhra Pradesh Plant is Green Gold certified. Greenpanel MDF qualifies as a green product.





# CARB P2 MDF





## Greenpanel **CARB P2 MDF**

Loved by all. Safe for all.

Greenpanel CARB P2 MDF has zero Formaldehyde emissions to meet the International Green grade product standards and hence it is people and environment friendly wood panel product.

Greenpanel uses renewable & sustainable hardwood species like Eucalyptus, Casuarina, and Subabul. It meets stringent environmental and utility guidelines to provide high-quality boards. Thus, supports sustainable management practices.

CARB P2 MDF has higher bending strength, load-bearing capacity, screw-holding capacity and above all it is a green product that's safe for kids also.

# Wide Range CARB P2 MDF

Our range of products is available in several sizes and thicknesses.

## Size (millimeters)\*

- Plain: 2440 mm x 1220 mm and 2440 mm x 1830 mm
- Pre-Lam: 2440 mm x 1220 mm and 2440 mm x 1830 mm

## Thickness (millimeters)\*

- 3.3 mm, 5.5mm, 7.3 mm, 11 mm, 14.5 mm, 16 mm, 16.5 mm, 17 mm, 18 mm and 25 mm

\*Size & thicknesses can be customized as per the MOQ and discretion of Greenpanel.

## Characteristics

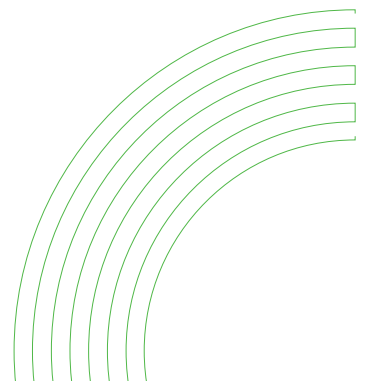
Low Formaldehyde emission and higher density as per International standards that makes it a safe and environment friendly wood panel for all spaces and applications.

## Recommended Applications

Specially recommended for applications where hygiene and safety are of paramount need, with damp conditions or high ambient temperatures.

## Wide Range of Applications

- School and hospital furnitures
- Retail fixtures
- Partitions
- Panelling in museums
- Kid's furniture and toys
- Modular furniture
- Workstations
- Cupboard shutters and TV cabinets, etc.



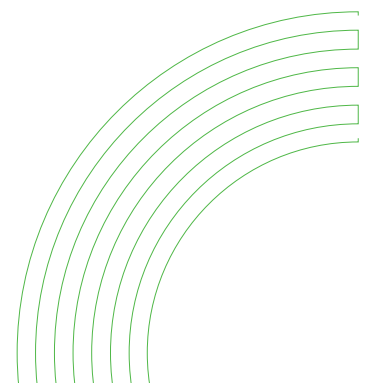
# Technical Specifications

## CARB P2 MDF

(As per CARB P2 Compliance)

PROPERTIES	UNIT	GREENPANEL CARB P2 GRADE RESULTS (AS PER THICKNESSES)						
Thickness	mm	≤ 2.5	(> 2.5 to 4.0)	(> 4.0 to 6.0)	(> 6.0 to 9.0)	(> 9.0 to 12.0)	(> 12.0 to 19.0)	(> 19 to 30.0)
Density	kg/m <sup>3</sup>	770-780	750-760	740-760	740-750	720-730	710-720	670-700
Moisture content, percent	%	5-10	5-10	5-10	5-10	5-10	5-10	5-10
Thickness Swelling	% Max.	45	35	30	17	15	12	10
Internal Bond Strength	N/mm <sup>2</sup> , Min	0.65	0.65	0.65	0.65	0.6	0.55	0.55
Modulus of Rupture								
a) Average	N/mm <sup>2</sup> , Min	23	23	23	23	22	20	18
b) Individual		20.5	20.5	20.5	20.5	19.5	18	16
Modulus of Elasticity								
a) Average	N, Min.	2800	2800	2700	2700	2500	2200	2100
b) Individual		2500	2500	2400	2400	2250	1950	1900
Screw Withdrawal Strength								
a) Face	N/mm <sup>2</sup> , Min	1250						
b) Edge		700						
Formaldehyde content (Fc)	ppm	For Thin MDF = 0.13; For MDF = 0.11						

\*Our test results are significantly superior to the BIS prescribed values.







## Dimension Tolerance

(Applicable to all thickness levels)

Thickness tolerance	$\pm 0,3 \text{ mm}$
Length and width tolerance	$\pm 3 \text{ mm/m}$
Squareness, Max	2 mm/m
Edge straightness, Max	2 mm/m

Greenpanel MDF is also available in E0.5 grade where the Formaldehyde Content (F) is  $\leq 4.0 \text{ mg/ } 100\text{gm}$  for oven dry board



## Emission Class

As per Carb-P2

## Standards

Adheres to Indian Standards 12406:2021

## Color

Brown/Natural Wood

## Certificates

ISO 9001: 2015, ISO 45001: 2018, FSC®, CARB, EPA, CE, Green Pro and Green building certificates international standard. Greenpanel Industries Limited environment is managed according to ISO 14001:2015 international environmental management systems standard. This embodies our commitment to pursuing a path of continual improvement in environmental management. Greenpanel MDF qualifies as a green product.



# Pre-Laminated MDF



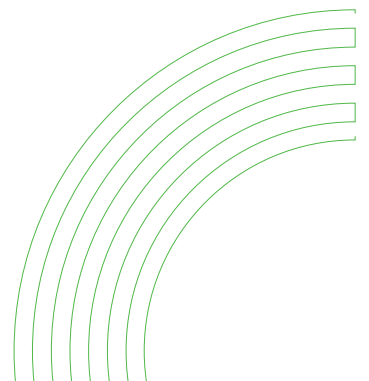


## Greenpanel Pre-Laminated MDF

For the multiple expressions that make you.

Presenting a collection that epitomizes sophistication, featuring a myriad of decorative designs. Discover the seamless blend of suede and matte textures on your finger glide. These boards offer ease of maintenance, with resistance to staining, scratching, and simplified fabrication. Their resilience extends to moisture resistance and adaptability to climatic changes, rendering them conducive to various weather conditions.

Within our premium selection, labeled 'Exquisite' designs, we showcase a diverse spectrum of shades meticulously curated to meet the refined preferences and lifestyles of discerning consumers. Additionally, our 'Classic' designs, recognized for their popularity, encompass a broad array of vibrant and captivating options.







## Characteristics

The product features an exclusive range of designs and imported decor papers, offering scratch resistance and superior abrasion resistance. It is also resistant to steam and water vapors, as well as cracks and stains, ensuring long-lasting durability. Additionally, it benefits from the widest distribution network, making it readily available.

## Recommended Applications

Recommended for various applications, this product is suitable for furniture interior design, dry area partition paneling, false ceilings, and handcraft cabinets and wardrobes.

## Emission Class

E1 & E2

## Standards

\*Adhere to BIS Standards IS 14587 : 2023



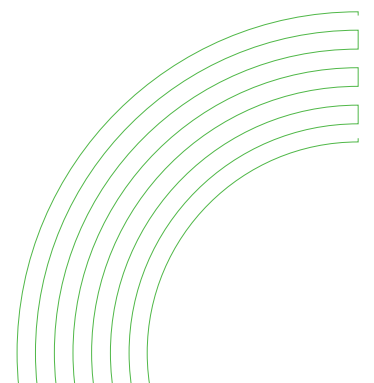
## Classic Range

### Elevating Spaces, Enriching Lives.

Classic is the range of fast moving designs, with a wide variety of colourful and dazzling selection to choose from. This range is offered under the standard HDWR, Exterior and Interior variations. Discover the synergy of elegance and resilience with Greenpanel Pre-Laminated MDF Classic Range, transforming spaces and lifestyles.

Our Pre-Laminated MDF range, crafted with precision, reflects the discerning choices and refined lifestyles of our esteemed customers. The range includes :

- Wood Grains
- Fabrics
- Vibrant/Solid Colors





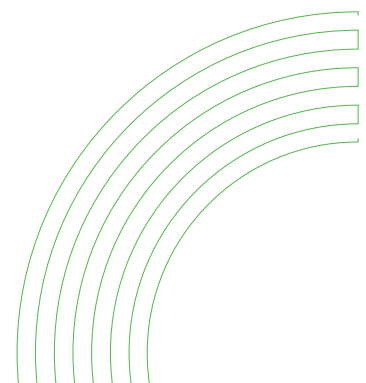
## Exquisite Range

### Indulge In Unmatched Luxury

We offer a premium range under the 'Exquisite' designs, with a wide array of shades to boast of. Each shade has been chosen and designed for exquisite living keeping in mind refined choices and lifestyles of discerning consumers.

The exquisite range includes:

- Art's Stroke
- Wood Grains
- Fabrics
- Vibrant/Solid Colors

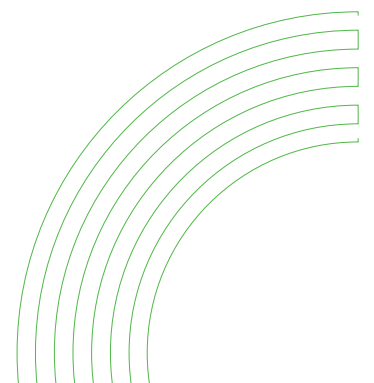






## Art's Stroke

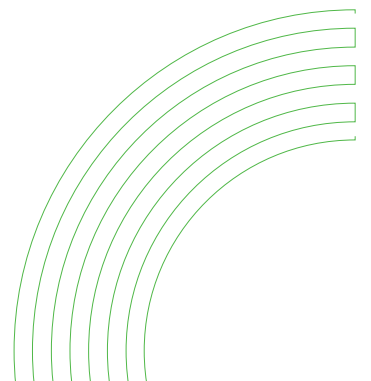
Greenpanel's exquisite range of vivid solid coloured Pre-Laminated MDF is selected carefully to add happiness and brightness to your interiors. Accentuating your desire for a tastefully crafted bright space, that brings a smile to your face.





## Wood Grains

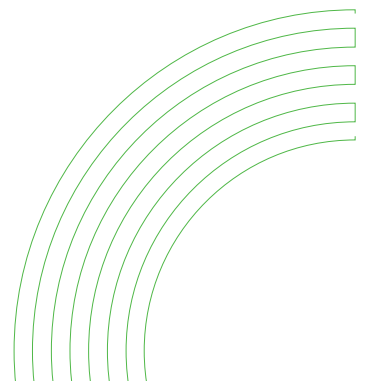
Experience the embrace of nature through Greenpanel's Pre-Laminated MDF collection, featuring an array of wood grain patterns. Elevate your interiors with a touch of luxury, class, and elegance, leaving a lasting impression.





## Fabrics

These timeless Pre-Laminated MDF designs draw inspiration from fabric patterns, gracing your living spaces with enduring impressions of style.

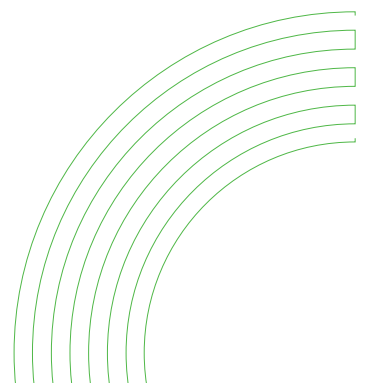






## The Magic of Colours

The Greenpanel Pre-Laminated MDF range, featuring solid colors available in both exquisite and classic range, offers a diverse selection of vivid shades. This collection aims to infuse vibrancy into the interiors of residences, offices, hotels, restaurants, and various other spaces, enhancing personal environments and fostering a positive ambiance.



# Technical Specifications

(As per IS 14587 : 2023)

GREENPANEL PRELAM INTERIOR GRADE Prelaminated MDF Board							
PROPERTIES	UNIT	Classic & Exquisite Range					
		OSL/ BSL/ OSB/ BSB					
Results as per Thicknesses							
THICKNESS (mm)	mm	5.5	7, 7.3 & 7.5	9.75 & 11	14.5 & 16.5	17 & 18	25
Density	Kg/m <sup>3</sup>	740-760	740-750	720-730	710-720	710-720	690-700
Moisture content, percent	%	5-10	5-10	5-10	5-10	5-10	5-10
Thickness Swelling	% Max	30	17	15	12	12	10
Internal Bond Strength	N/mm <sup>2</sup> , Min	0.65	0.65	0.60	0.55	0.55	0.55
Modulus of Rupture							
a) Average	N/mm <sup>2</sup> , Min	23	23	22	20	20	18
b) Individual		20.5	20.5	19.5	18	18	16
Modulus of Elasticity							
a) Average	N/mm <sup>2</sup> , Min	2700	2700	2500	2200	2200	2100
b) Individual		2400	2400	2250	1950	1950	1900
Screw Withdrawal Strength (Min)							
a) Face	N, Min.	1250					
b) Edge		700					
Formaldehyde Content (FC),	mg/100 gm for oven dry board	Formaldehyde class, E2 – 8 < Fc ≤ 30					

GREENPANEL PRELAM EXTERIOR GRADE Prelaminated MDF Board							
PROPERTIES	UNIT	Classic & Exquisite Range					
		OSL/ BSL/ OSB/ BSB					
Results as per Thicknesses							
THICKNESS (mm)	mm	5	7.5	11	16.5 & 17	25 & 30	
Density	kg/m <sup>3</sup>	740-750	740-750	720-730	710-720	690-700	
Moisture content, percent	%	5-10	5-10	5-10	5-10	5-10	
Thickness Swelling	% Max.	18	12	10	8	7	
Internal Bond Strength	N/mm <sup>2</sup> , Min	0.70	0.70	0.65	0.65	0.60	
Internal Bond Strength							
a) After cyclic test	N/mm <sup>2</sup> , Min	0.35	0.3	0.25	0.2	0.15	
OR							
b) After accelerated water resistance test		0.20	0.15	0.15	0.12	0.12	
Modulus of Rupture							
a) Average	N/mm <sup>2</sup> , Min	27	27	26	24	22	
b) Individual		24	24	23	21.5	19.5	
Modulus of Elasticity							
a) Average	N/mm <sup>2</sup> , Min	2700	2700	2500	2400	2300	
b) Individual		2400	2400	2300	2100	2000	
Screw Withdrawal Strength							
Face	N, Min.	1250					
Edge		850					
Formaldehyde Content (Fc)	mg/100 gm for oven dry board	Formaldehyde class, E1 – Fc ≤ 8					
		Formaldehyde class, E2 – 8 < Fc ≤ 30					

# Technical Specifications

(As per IS 14587 : 2023)

GREENPANEL PRELAM HDWR Prelaminated MDF Board						
PROPERTIES	UNIT	Classic & Exquisite Range				
		OSL/ BSL/ OSB/ BSB				
Results as per Thicknesses						
THICKNESS (mm)	mm	5.5	7.5	11	16, 16.75 & 18	25
Density	kg/m <sup>3</sup>	850	850	850	825	780
Moisture content, percent	%	5-10	5-10	5-10	5-10	5-10
Thickness Swelling	% Max	30	17	15	12	10
Internal Bond Strength	N/mm <sup>2</sup> , Min	0.65	0.65	0.60	0.55	0.55
a) After Cyclic Test	N/mm <sup>2</sup> , Min	0.35	0.3	0.25	0.2	0.15
OR						
b) After accelerated water resistance test		0.20	0.15	0.15	0.12	0.12
Modulus of Rupture						
a) Average	N/mm <sup>2</sup> , Min	23	23	22	20	18
b) Individual		20.5	20.5	19.5	18	16
Modulus of Elasticity						
a) Average	N/mm <sup>2</sup> , Min	2700	2700	2500	2200	2100
b) Individual		2400	2400	2250	1950	1900
Screw Withdrawal Strength						
a) Face	N, Min.	1250				
b) Edge			850			
Formaldehyde content (Fc),	mg/100 g for oven dry board	Formaldehyde class, E1 – Fc ≤ 8				
		Formaldehyde class, E2 – 8 < Fc ≤ 30				

Abrasion resistance in number of revolutions, Min,

(Type 1)	←———— 1000 —————→	}
(Type 2)	←———— 450 —————→	
(Type 3)	←———— 250 —————→	
(Type 4)	←———— 75 —————→	

Resistance to steam/water vapours      No blister, delamination or change in surface finish  
 Resistance to crack      No sign of crack or delamination  
 Resistance to a cigarette burn      No mark or stain on the specimen after cleaning with water or solvent\*  
 Resistance to stain      No stain on the specimen after cleaning with solvent or detergent

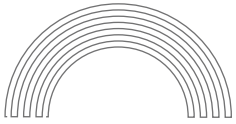
## General Tolerances

Thickness tolerance	± 0.3 mm
Length and width tolerance	± 3 mm/m
Squareness, Max	2 mm/m or 0.2%
Edge straightness, Max	2 mm/m or 0.2%

\*The Abrasion Resistance test is conducted for all three prelaminated categories: Interior, Exterior, and HDWR.

## Certificates

ISO 9001: 2015, ISO 45001: 2018, FSC® , CARB, EPA, CE Green Pro and Green building certificates international standard. Greenpanel Industries Limited environment is managed according to ISO 14001:2015 international environmental management systems standard. This embodies our commitment to pursuing a path of continual improvement in environmental management.



# Our Network

## North & Central Zone



### • Mohali

Greenpanel Industries Ltd.,  
Bestech Business Tower,  
A709 – 7<sup>th</sup> Floor, Sector 66  
A, Mohali - 160066

### • Indore

Greenpanel Industries Ltd.,  
Surana's E-87, 2nd Floor  
Anurag Nagar Ext. LIG LINK  
Road, Indore - 452018

### • Gurugram

Greenpanel Industries Ltd.,  
Block 3, First Floor, DLF  
Phase 3, Sector 25A  
Gurugram-122011

### • Lucknow

Greenpanel Industries Ltd.,  
Unit No 507, 5<sup>th</sup> Floor,  
Urbanac Business Park,  
Vibhuti Khand, Gomti Nagar,  
Lucknow - 226010

## South Zone



### • Bengaluru

Greenpanel Industries Ltd.,  
Jain Heights, B6, 6<sup>th</sup> Floor,  
No. 2, Solus, 1<sup>st</sup> Cross,  
J.C., Bangalore - 560027

### • Kochi

Greenpanel Industries Ltd.,  
No. 46/246 A, Ashok Road  
Kaloor, Kochi - 682017

## West Zone

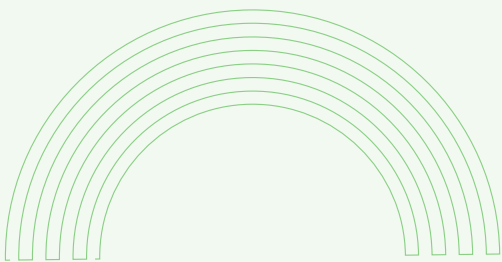


### • Mumbai

Greenpanel Industries Ltd.,  
The Summit Business Bay,  
Unit No. 917, Near WEH  
Metro Station, Andheri  
Kurla Road, Andheri (E),  
Mumbai - 400093







## **Greenpanel Industries Limited**

### **Registered & Corporate Office**

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Email: [info@greenpanel.com](mailto:info@greenpanel.com) | CIN: L20100HR2017PLC127303

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

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Email: [info@greenpanel.com](mailto:info@greenpanel.com)

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