



Now build the way  
the world does.



## World-class wood solutions to let you build the way the world does.

After the industrial revolution and the population explosion, the planet's forests have been shrinking at a rapid pace. The forests that turn globe-warming CO<sub>2</sub> into life-giving oxygen are disappearing because of our desire for natural materials like wood. It's time to work with a better alternative.

The world has moved to environment-friendly wood solutions like MDF and Particle Board manufactured with advanced technology and excellent aesthetics.

And now you can too! Century Prowud MDF and Particle Board offer you quality that matches international standards of performance, durability and aesthetics to open up creative possibilities like never before. So go ahead and think as big as the world does.



A view of CenturyProwud Hoshiarpur Plant

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## INNOVATION IS OUR BIRTH RIGHT.

CenturyPly was established in 1986 with the vision of providing path-breaking solutions in the panel industry. It took a continuous emphasis on innovation and an intense focus on product quality over the last 3 decades to bring that vision to life. And in that time, as consumer needs diversified, CenturyPly grew its range of offerings too. From plywood to laminates, veneers, flooring and exteriors, and engineered wood products.

Along the way, we pioneered new technologies for the Indian market and set the bar higher and higher on business standards. Our commitment to R&D is reflected in rising investment in this area, resulting in newer and better products. We were the first to develop Borer Proof and Boiling Water Resistant products. As an organisation too, we are structured flexibly to enable innovation. That's what it takes to come up with products like CenturyMDF Prowud - the wood of the future.

As technology and tastes evolve rapidly, consumers as well as architects and interior designers are constantly seeking new solutions. It is our endeavour to ensure that each of them is able to express their individual creativity, in exactly the way that they desire.



## CENTURY PROWUD MDF AND PARTICLE BOARD. WOOD SOLUTIONS FOR THE NEXT GENERATION

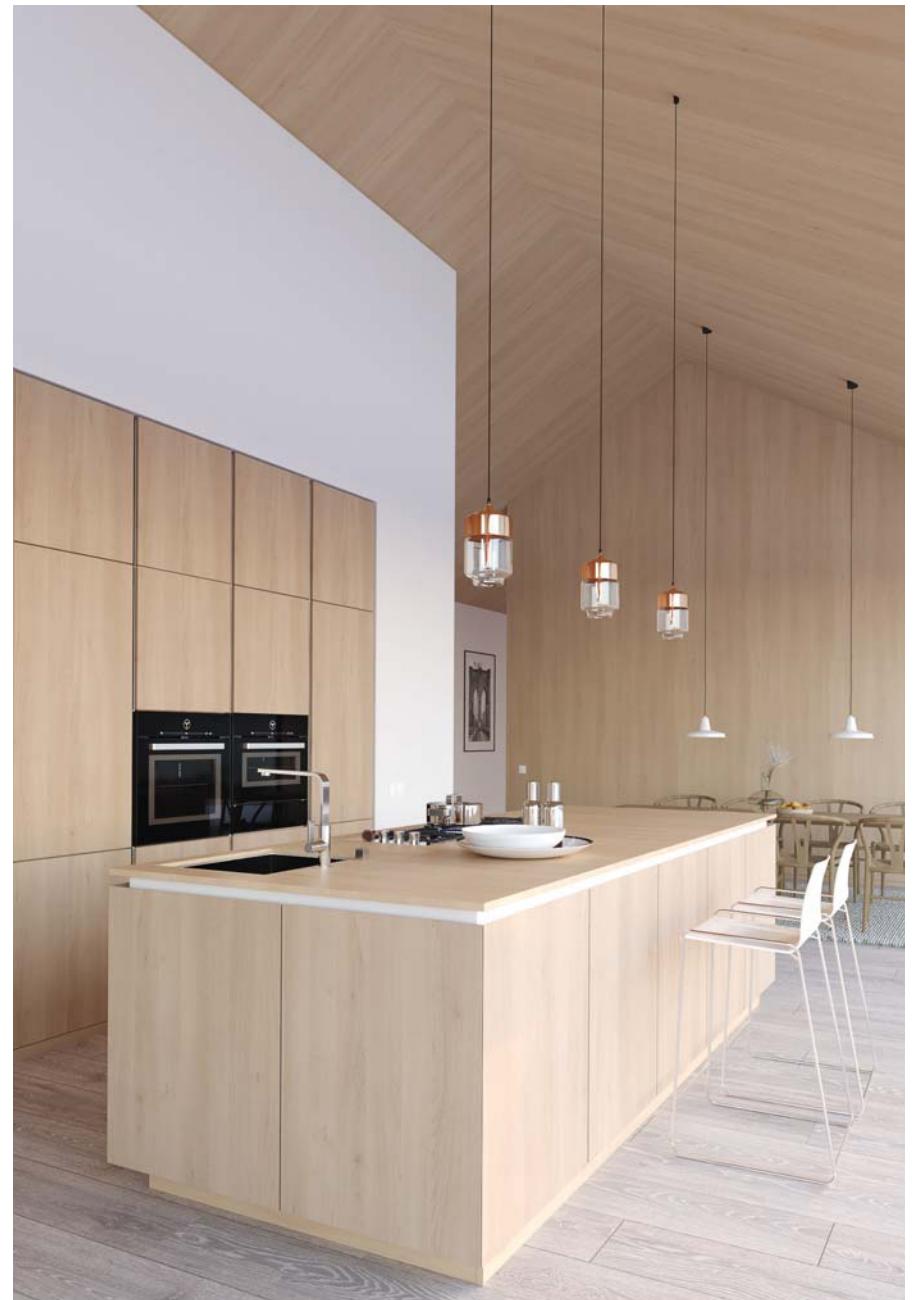
Century Prowud MDF is a revolutionary product which consists of a wide range of high quality engineered wood substitutes. It meets the evolving demands of modern consumers by being:

**Versatile:** Century Prowud MDF is carefully engineered to make precise routing, machining, and finishing possible. The product provides chipping-free edges, and can easily be carved and moulded. This makes Century Prowud MDF highly versatile and suitable for specialized applications requiring unique shapes or intricate designs. When it comes to designing furniture or other interior elements, now the only limit is your imagination.

**Smart:** Century Prowud MDF comes packed with superior technical features which provide strength and durability even under harsh conditions. Each board is constructed

with Scalper Technology and quality checked at 128 individual points. This ensures uniform and high density, smoothness and routing grade quality, and resistance to adverse environment and pests. Our products are credited by the Indian Green Building Council.

**Beautiful:** Century Prowud MDF provides both strength and beauty. Ultra smooth surfaces make them perfect for painting, polishing and providing high gloss. The smoothness also makes them the perfect substrate for laminates and veneers. Pre-laminated boards, backed by the wide range of Century Laminates, provide choices in terms of colours and designs which help our customers to express their creativity freely. Century Prowud MDF enables interiors, which can be aesthetically tailored to individual choice.



## DIFFERENT GRADES FOR DIVERSE NEEDS

Century Prowud MDF boards have a homogenous internal structure with a super smooth surface. They are made with Scalper Technology and quality checked at 128 points to ensure that there is no warping, cracking, splitting or knots.

The boards are available in two grades:

**Densified Water Resistant (IS Grade I):** Its densified structure is forged with moisture fighting properties which make them suitable for varied and prolonged application in humid conditions.

**Densified Interior Range (IS Grade II):** Super grade range for diverse applications in the interiors.

Both the grades are available in two variants – Plain and Pre-laminated

## A WIDE RANGE OF APPLICATIONS

Century Prowud MDF and Particle Board is the wood solution when you want to create things differently. Its technical superiority gives you the freedom to redefine your spaces exactly as you wish. Therefore, these boards find a wide range of applications:

**Building Construction:** Partitions, Ceilings, Door Panels, Moulding, Pelmets, Skirting, etc.

**Furniture:** Homes, Offices, Hotels, Schools, Hospitals, Colleges, Shopping Malls, Educational Institutions, etc.

**Industrial Applications:** Laminate Substrates, Scientific Instruments, Musical Instruments, Stationary Items, Office Equipment, Speaker Boxes, TV Cabinets, Fridges, Sewing

Machine Tops, Packaging, Shoe Heels, Toys, Sports Goods, Cut-outs, Photo Lamination, Moulds and Dies, Clocks, Trophies, Interiors of buses and rail coaches, etc.

**Handicrafts:** Sculptures, Decorative items, Artefacts, etc.

**Other Applications:** False Ceilings, Modular Kitchens, Exhibition Sets, Aluminum Frame Doors, Packaging and Pallets, Photo Lamination, Photo Frames, Writing Boards and Exam Boards, etc.





**CENTURYPROWUD<sup>®</sup>**  
**PREMIUM PLUS**  
*The one solution for your Furniture & Interiors*

The product that fulfills almost every criteria any customer could ask for. From being Borer, Termite and Fungus Resistant to High Moisture resistant, this is an unmatched Routing Grade Product made with a Higher Density, and to a higher standard. Premium Plus even has the confidence to offer an unparalleled 5-Year Warranty on it!

Perfect for creating durable furniture of all shapes and sizes, as well as stunning interiors of every design, Century Prowud Premium Plus is unlike any other product because of the quality of the fibre it's made of!



## IT DOES MORE THAN WOOD. AND LOOKS JUST AS GOOD!

Century Prowud Premium Plus is highly versatile and suitable even for specialised applications requiring unique shapes or intricate designs. Its chipping free edges can be easily carved and moulded. Its superior technical features provide strength and durability even under harsh conditions. Each board is quality checked at 128 individual points and comes with the assurance of uniform and high density, smoothness and resistance to adverse environments.

The ultra smooth surfaces are perfect for painting, polishing and providing high gloss finish.

The smoothness also makes it the perfect substrate for laminates and veneers.

Century Prowud products are also accredited by the Indian Green Building Council.

## 9 PREMIUM PLUS FEATURES



Uniform & Higher Density	High Moisture Resistance	Borer, Termite & Fungus Resistant
Super Smooth & Paintable	Long Lasting & Value for Money	Vast Range of Prelam Decor
Special Ingredients for Toughness	Specially Developed for Indian Conditions	

## A WIDE RANGE TO CHOOSE FROM FOR EVERY NEED

Not only is Century Prowud Premium Plus available in a wide range of thicknesses, it also offers a fabulous array of aesthetic choices, as a Pre-laminated board.

Pre-laminated boards, backed by a wide range of Century Laminates decors provide great choices in terms of colours and designs.



### Century Prowud Premium Plus Range

Century Prowud Premium Plus range offers a wide range of panels in variety of sizes and thicknesses. It's available in both Plain & Pre-laminated variants.

### Premium Plus Range

Standard Size: 8ft x 4ft (2440mm x 1220mm); Other variants available as per specifications

#### Thickness (in millimetres)

8.0, 12.0, 16.0, 16.75, 18.0

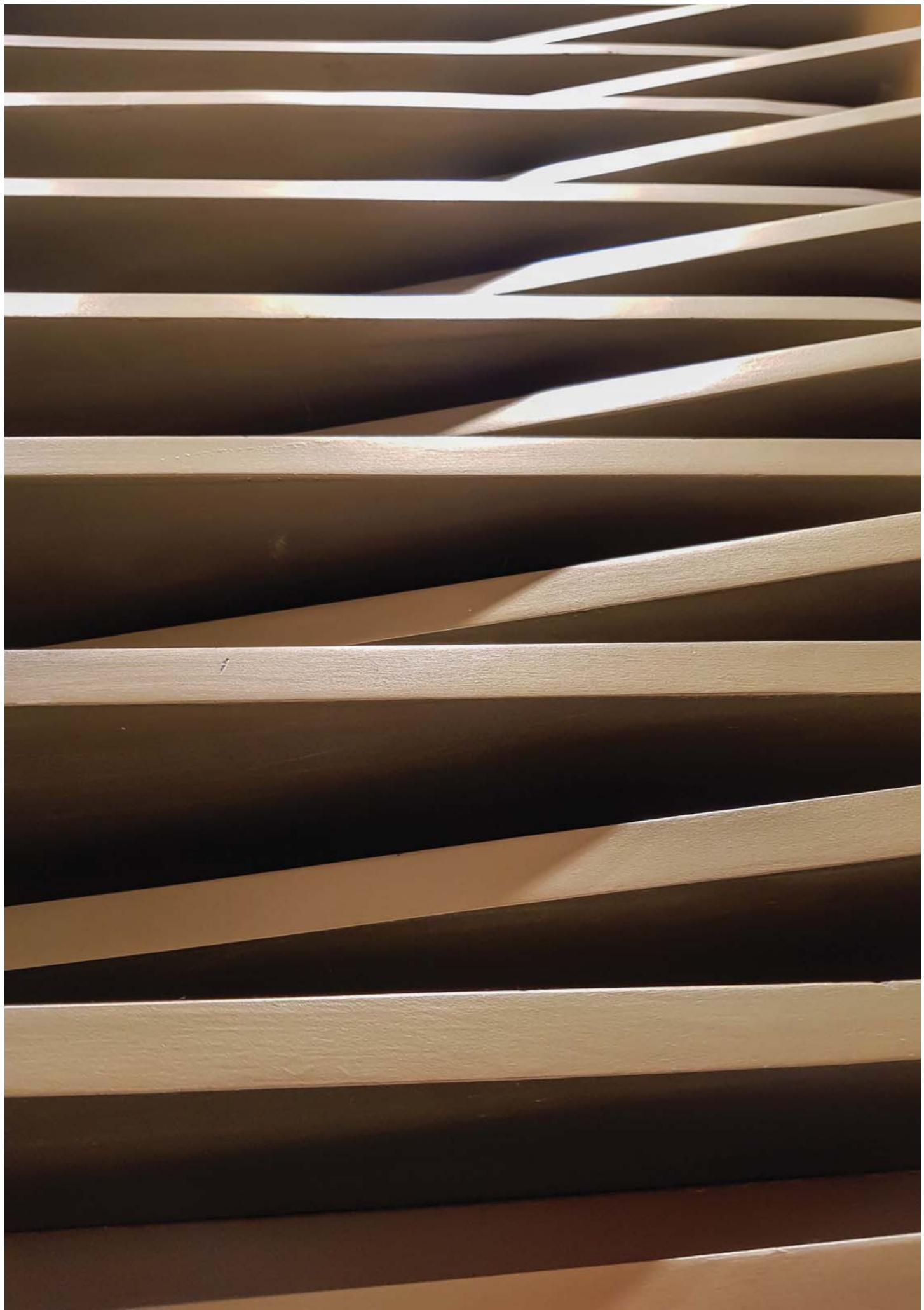
#### Variants: Plain & Prelam

**\*Range:** One-side laminated (OSL), Both-side laminated (BSL), One-side Bare (OSB), Both-side Balancing (BSB)

**Finishes:** Suede and Matt

## Specifications and Standards

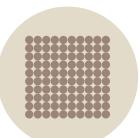
S. No.	Properties	Unit	Century Prowud Premium Plus	
			Plain	Pre-laminated
1	Density	Kg/m3	850-870	850-870
2	Board moisture content	%	04-08	04-08
3	Water absorption (Maximum)	%		
	Up to 8mm			
	a After 02 Hrs. soaking		5.0	5.0
	b After 24 Hrs. soaking		12.0	12.0
	Above 8mm			
	a After 02 Hrs. soaking		3.75	3.75
	b After 24 Hrs. soaking		11.0	11.0
4	Linear Expansion (Maximum)	%		
	(i) Due to general absorption, (in thickness) After 24 hrs. soaking			
	(a) Thickness		4.0	4.0
	(b) Length		0.3	NA
	(c) Width		0.3	NA
	(ii) Due to surface absorption (In thickness) after 02 hrs.		2.0	NA
5	Modulus of Rupture	N/mm2		
	Average		35	35
	Minimum Individual		32	32
6	Modulus of Elasticity	N/mm2		
	Average		3200	3200
	Minimum Individual		3000	3000
7	Internal Bond	N/mm2		
	Average		1.20	1.20
	Minimum Individual		1.0	1.0
8	Screw Withdrawal strength (minimum)	N		
	(a) Face		2000	2000
	(b) Edge (For thickness >12mm)		1500	1500
9	Accelerated water resistance test	N/mm2		
	Average		0.30	0.30
	Minimum Individual		0.25	0.25
10	Abrasion Resistance	Revolutions		
	Type II		NA	450



  
**CENTURY MDF**<sup>®</sup>

**DWR** | **DIR**  
Densified Water Resistant | Densified Interior Range

## PERFORMANCE THAT WOOD WOULD ENVY



Uniform and High Density: Century Prowud MDF boards are very compact with uniform fiber density throughout. Their homogeneous construction makes them suitable for consistent applications.



Hot and Humid Environment Resistant: These boards are very durable with high resistance to adverse environments like heat and humidity. Their high resistance makes them suitable for all locations and applications such as kitchen cabinets, wall paneling on external walls etc



Super Smooth: Century Prowud MDF Boards have super smooth surfaces, making application of paint easier. The smooth surface, free from knots and foreign particles, is a perfect substrate for laminates or veneers.



Environment friendly: Century Prowud MDF is an eco friendly product and conforms to E2 Formaldehyde emission level grade of European Standards.



Made with Scalper Technology: Stringent manufacturing standards and the latest equipment make these boards technically superior. The boards undergo 128 points quality check during the manufacturing, to ensure unmatched product quality.



Cost Effective All-rounder: Century Prowud MDF is suitable for diverse applications. It is formable, chipping-free, easily moulded, and cost effective, making it a highly sought after product in the interior solutions industry.



Resistance to Borers and Termites: Century Prowud MDF Boards are highly resistant to termites and borers, ensuring greater durability.

**CENTURY MDF®**

**DWR** | **DIR**  
Densified Water Resistant | Densified Interior Range

### Century Prowud MDF range

Century Prowud MDF offers a wide range of MDF panels in different grades and a variety of sizes/thickness. It's available in both plain and pre-laminated variants.

#### DWR Range (Grade-I)

Standard Size: 8ft x 4ft (2440mm x 1220mm); Other variants available as per specifications

#### Thickness (in millimetres)

3.0, 3.4, 5.5, 7.5, 8.0, 11.0, 12.0, 16.0, 16.75, 17.0, 18.0, 25.0, 30.0, 35.0

**Variants: Plain & Prelam (Above 5.5 mm)**

#### DIR Range (Grade-II)

Standard Size: 8ft x 4ft (2440mm x 1220mm); Other variants available as per specifications

#### Thickness (in millimetres)

2.0, 2.10, 2.30, 3.0, 3.4, 4.3, 4.6, 5.5, 7.0, 7.3, 7.5, 8.0, 9.75, 11.0, 12.0, 14.75, 16.0, 16.75, 17.0, 18.0, 25.0, 30.0, 35.0

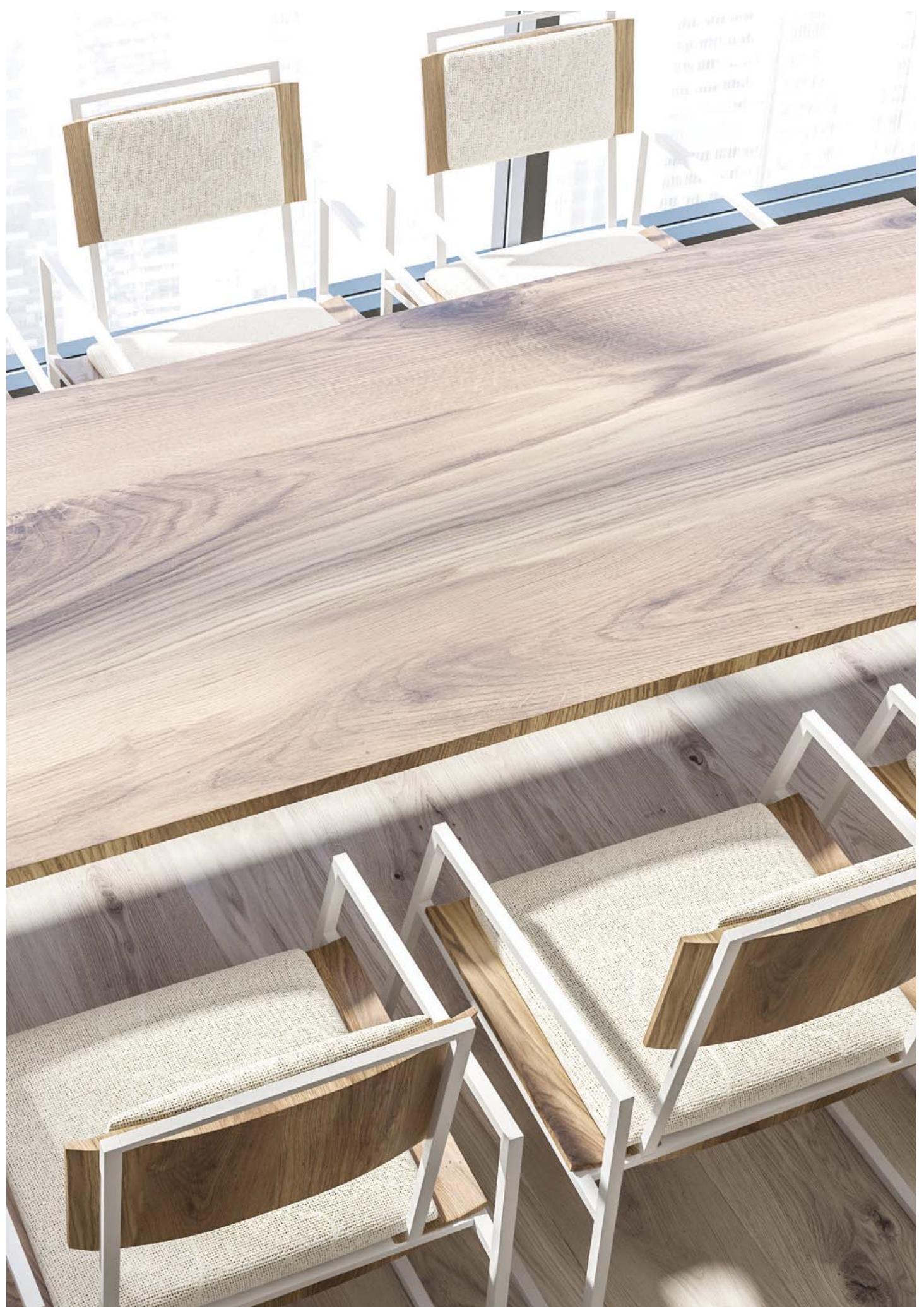
**Variants: Plain & Prelam (Above 5.5 mm)**

**Range:** One-side laminated (OSL), Both-side laminated (BSL), One-side Bare (OSB), Both-side Balancing (BSB)

**Finishes:** Suede and Matt

## Specifications and Standards

S. No.	Property	Unit	IS 12406-2003 (Plain)		IS 14587-1993 (Pre-laminated)	
			DWR (Grade I)	DIR (Grade II)	DWR (Grade I)	DIR (Grade II)
1	Density	Kg/m3	600-900	600-900	--	--
2	Variation from mean density	%	±10	±10	±10	±10
3	Moisture Content	%	5-10	5-10	--	--
4	Variation from Moisture Content (absolute)	%	±3	±3	--	--
5	Thickness Swelling 2 hrs (Maximum)	%	--	--	4	7
6	Water absorption (maximum)	%				
	a. After 2 hr soaking	6	9	6	9	
	b. After 24 hr soaking			12	18	
	i. Up to and including 6mm thick	30	45			
	ii. 7 to 12mm thick	20	30			
	iii. 13 to 19mm thick	13	20			
	iv. 20mm and above thick	12	18			
7	Linear expansion (maximum)	%				
	a. Due to general absorption (in thickness) 24 hrs soaking					
	i. Thickness	7	10			
	ii. Length	0.3	0.4	-	-	
	iii. Width	0.3	0.4	-	-	
	b. Due to surface absorption (in thickness) 2 hr					
8	Modulus of Rupture	N/mm2				
	a. Up to 20mm thickness					
	i. Average	28	28	28	28	
	ii. Minimum individual	25	25	25	25	
	b. Above 20mm thickness					
	i. Average	25	25	25	25	
	ii. Minimum individual	22	22	22	22	
9	Modulus of Elasticity	N/mm2				
	a. Up to 20mm thickness					
	i. Average	2800	2800	2800	2800	
	ii. Minimum individual	2500	2500	2500	2500	
	b. Above 20mm thickness					
	i. Average	2500	2500	2500	2500	
	ii. Minimum individual	2300	2300	2300	2300	
10	Tensile Strength Perpendicular to Surface	N/mm2				
	a. Up to 20mm thickness					
	i. Average	0.9	0.8	0.9	0.8	
	ii. Minimum individual	0.8	0.7	0.8	0.7	
	b. Above 20mm thickness					
	i. Average	0.8	0.7	0.8	0.7	
	ii. Minimum individual	0.7	0.6	0.7	0.6	
11	Tensile Strength Perpendicular to Surface	N/mm2				
	a. After cyclic test					
	i. Average	0.45	NA	0.45	NA	
	ii. Minimum individual	0.40	NA	0.40	NA	
	b. After accelerated water resistance test					
	i. Average	0.30	NA	0.30	NA	
	ii. Minimum individual	0.25	NA	0.25	NA	
12	Screw withdrawal strength (minimum)	N				
	a. Face					
	i. Edge (for thickness >12mm)	1500	1500	1500	1500	
	b. Edge (for thickness >12mm)					
	i. Face	1250	1250	1250	1250	
13	Abrasion Resistance (Minimum) revolutions	Revolutions				
	a. Type - I					
	i. Type - II	NA	NA	1000	1000	
	ii. Type - III	NA	NA	450	450	
	iii. Type - IV	NA	NA	250	250	
				75	75	



**CENTURY** **PARTICLEBOARD**<sup>®</sup>  
PROPLANK

## Specifications and Standards

Properties (Physical & Mechanical)	Specified as per IS 12823 : 1990	Century Pre-laminated Particle Board
Length (mm)	2440 + 06/-0	2440
Width (mm)	1840 +03/-0	1840
Thickness (mm)	18 ± 5%	18.13
Straightness (mm)/Meter	2 mm	0.3 mm
Squareness (mm) Meter	2 mm	0.4 mm
Appearance	No A, B, C defects	Defect-free
Density Kg/ Cu M	500-900	750
Density Variation % (Max)	±10	8
Water absorption % (Max)		
a. 2 hours	15	9
b. 24 hours	30	24
Thickness swelling %, 2 hours (Max)	8	6.5
Modulus of rupture N/Sq. mm (Min) Average	11	15.5
Modulus of Elasticity N/ Sq. mm (Min) average	2500	2600
Tensile strength perpendicular to surface (Min), N/Sq. mm	0.3	0.45
Screw Withdrawl strength (Min) N		
a. Face	1250	1300
b. Edge	750	900
Moisture Content %	5-15	7.5
Abrasion Resistance (min) in no. of revolutions	450	475
Resistance to stream	Shall not show any sign of blister, delamination or change in surface finish	Conforms
Crack Resistance	Shall not show any sign of cracks or delamination	Conforms
Resistance to Cigarette Burns	Shall not leave any mark or stain	Conforms
Resistance to Stains	Shall not leave any mark or stain	Conforms

Note: Pre-laminated Particle Board conforms to IS 12823 : 1990 Grade II, Type II

## Availability

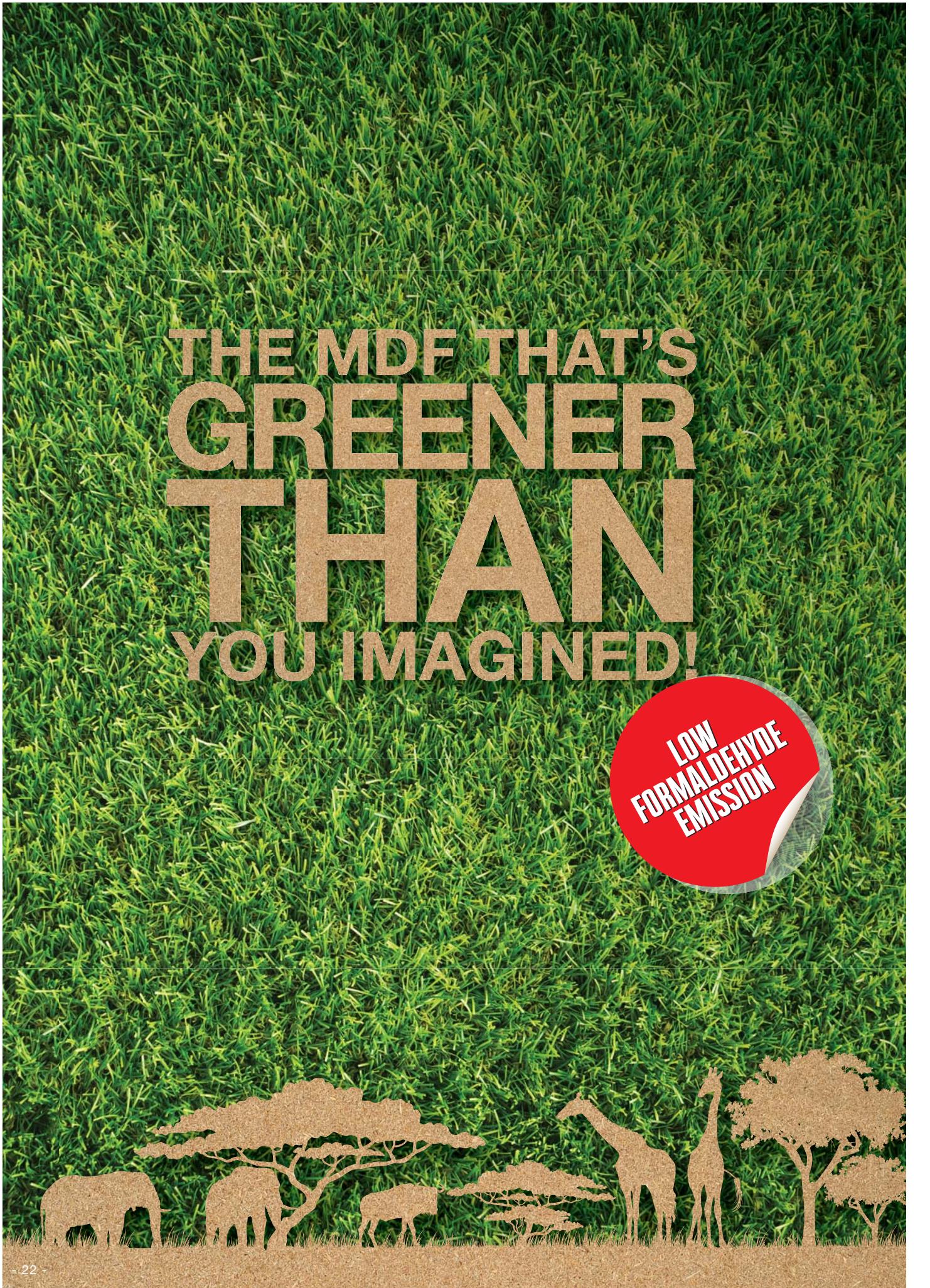
Product	Finish	Size	Thickness
Plain Particle Board	NA	9'x6'(2750 mm x 1840 mm) 8'x6'(2440 mm x 1840 mm)	9 mm, 12 mm, 17 mm, 18 mm, 25 mm
Pre-laminated Particle Board	Suede & Matt	9'x6'(2750 mm x 1840 mm) 8'x6'(2440 mm x 1840 mm)	9 mm, 12 mm, 17 mm, 18 mm, 25 mm

\*\*\* Century Pre-laminated Particle Boards can also be supplied in E1 grade and HMR grade.

Prelam Particle boards are available in all colours and finishes shown in this catalogue

## Certifications





**DIR**  
Densified Interior Range



CARB (California Air Resources Board) is the department of the California Environment Protection Agency responsible for air quality, and monitoring of toxic air contaminants. Century Prowud MDF meets and exceeds CARB standards for every MDF it manufactures, to keep you and the environment totally safe!



E1 Grade certification is only awarded to high quality wood panel products that meet the exacting standards of formaldehyde emission considered safe for Europe. Every Century Prowud MDF surpasses those standards, with ease.



**QUALITY THAT'S COMPLIANT WITH THE WORLD'S TOUGHEST NORMS**

to be the safest for you, and the environment!

Sub-standard resins and adhesives used in manufacturing low quality wood panel products contain high levels of toxic formaldehyde which can cause health issues like eye and throat irritation, wheezing, headaches, and nausea.

Century Prowud MDF is made with specially-formulated adhesives and resins that emit negligible levels of formaldehyde - exceeding you the tough norms of California and Europe - to ensure the good health of the environment in your home. And by using fibres from only specially grown FSC®-certified plantation timber, we ensure the wellbeing of our planet as well.

# 10 Reasons WHY YOU SHOULD USE CENTURYPROWUD PRELAM BOARDS

1. A wide range of shades in pastels and wood grains
2. Matching post-forming laminates available
3. Environment-friendly product
4. Excellent machinability
5. Borer and termite resistant
6. Resistant to fungus and stains
7. High surface resistance to steam and heat
8. High screw holding strength and load bearing capacity
9. Free from warping and surface defects
10. Bacteria-free surface due to Silver Nano Technology

## Certifications





Showcased: Brilliant Weave **4854**



Brila Weave **4861**



Brilliant Weave **4854**



Genial Weave **4855**



Brown Recomposed Wood **4787\*\***



Black Recomposed Wood **4788\*\***



Blocked Oak **4662**



Valley Oak **4663**



Fleed Oak **4675** NEW



Snow Pine **4535**

\*\* Available only in 4 Ft. width



Showcased: Acacia **706**



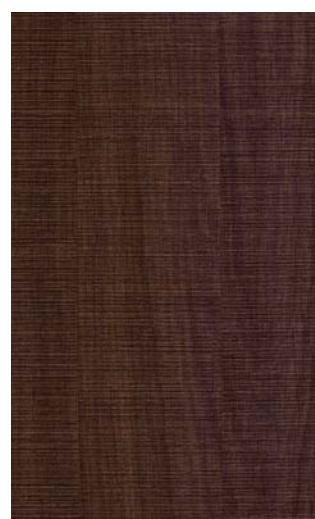
Smoked Pine **4536**



Grey Papila **3721**



Brown Papila **3722**



Chocolate Saw Line **3667**



Sandy Saw Line **3666**



Moldau Acacia **3707**



Acacia **706**



Sonoma Oak **3661**



Napa Oak **3662**



Showcased: Mangfall Beech **3324**



Wenge Cream **676**



Wenge Brew **675**



Mangfall Beech **3324**



Bavarian Beech **311**



Intal Beech **323**



Lyon Walnut **655** NEW



Grenada Pine **4539** NEW



Canyon Oak **4674** NEW



Classic Planked Walnut **4429**



Showcased: Thansau Maple 357



Cairo Walnut 4427



Classic Walnut 3523



Decent Walnut 3524



Marine Walnut 657 NEW



Columbia Walnut 656 NEW



Thansau Maple 357



Fusion Maple 3525



Wyoming Maple 3345



Samoa Teak 456



Smoked Teak 3454\*\*



Evoluzion Teak 3451\*\*



Natural Ebony 3438



Accademia Cherry 4371 NEW



Highland Pine 3532



Flowery Wenge 3793



Urban Teak 4447



Nayana Teak 4446



Douglas Pine 483

\*\* Available only in 4 Ft. width



Showcased: Astronium Wood **683**



Oxford Cherry **3376**



Khaya Mahogany **473**



Sapeli **3541**



Magic Beans **859**



Astronium Wood **683**



Natural Mahogany **469**



Showcased: Bloom Green 289



\*\* Available only in 4 Ft. width

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\*CenturyPly has an ongoing policy of design, development and improvement, and thus reserves the right to modify the product without any prior information.



*The wood of the future*

Century Plyboards (India) Limited

Engineered Panel Products Division

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