





MDF-The wood of the future

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 CO₂ 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.

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Century Prowud MDF and Particle Boards

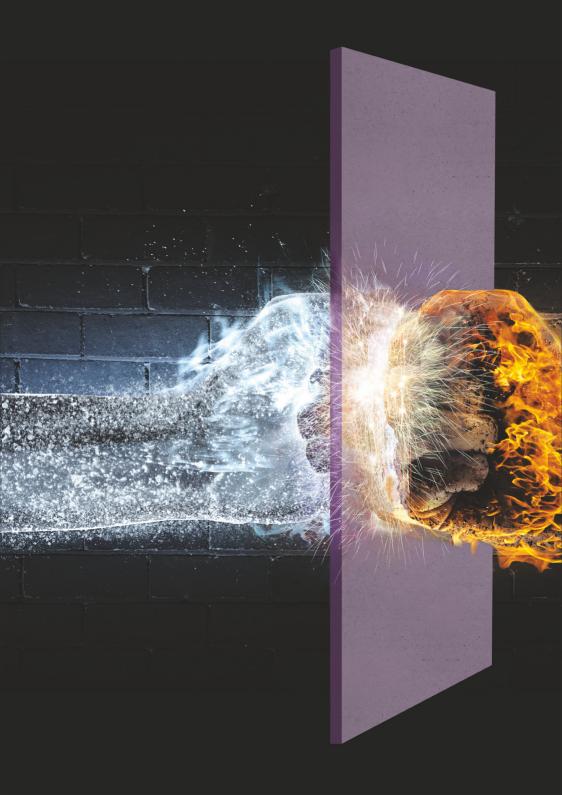
Wood solutions for the next generation

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 specialised 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 accredited 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. Prelaminated 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.





Fire Shield Plus is the ultimate defender among building materials. Our cutting-edge MDF boards combine unrivalled strength with exceptional fire resistance, ensuring your safety and peace of mind. It not only prevents the entry of borers and termites like a true and fearless defender, it also combats water and fire to give exceptional durability and performance to your furniture and interiors in any environment











Super Smooth & Paintable

Long Lasting & Value for Money



Environmentfriendly



Resistance





Special Ingredients for Toughness



Vast Range of Prelam Decor







Uniform & Higher Density

Fire Shield Plus's test report:

Calculated Flame Spread: 0 (Flame Spread Index

ranges from 0-25)

Calculated Smoke Developed: 251.96 (Smoke

Development limit: 450 Max)

Conform to: ASTM E84-2021 Class 1

Report By: Spectro Analytical Lab Pvt. Ltd.

Available in both Plain and Prelam Boards



CERTIFICATIONS























Healthy & eco-friendly in nature, Low Emission Premium Plus boards are ideal for all your furniture needs. Durable & versatile in nature, these boards are borer, termite and fungus resistant. They exude minimal formaldehyde fumes and can withstand high temperatures and moisture without losing their shine and strength. All these qualities are made available at no extra cost.

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

E1 compliant for a better future

E1 materials' formaldehyde release has to be ≤ 8mg /100g for oven dry board, which is identical to its purity. This means that the E1 standard is set at a humane level. Since this material will contain some amount of formaldehyde, you should know that standards only accept formaldehyde emissions at an extremely low rate.

Standard Size:

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

Thickness (in millimetres)

3.0, 5.50, 8.0, 12.0, 16.0, 16.75, 18.0, 25.0

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



PREMIUM FEATURES



Uniform & High Moisture Higher Density Resistance



Super Smooth & Paintable



Long Lasting & Value for Money



Environment- Borer, Te friendly Fungus F



Borer, Termite & Special Ingredients Fungus Resistant for Toughness





Vast Range of Prelam Decor



*T&C apply. Virokill feature is available only on Prelam MDF and Prelam Particle Board.

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 a 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.













CERTIFICATIONS

















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, spitting or knots.

The boards are available in two grades:



Its densified structure is forged with moisture fighting properties which make it suitable for varied and prolonged application in humid conditions.

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

Thickness (in mm) 3.30, 5.50, 7.50, 11.00, 16.50, 17.00, 18.00, 25.00

Variants: Plain & Prelam (5.5 mm & Above)



Super grade range for diverse applications in the interiors.

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

Thickness (in mm) 1.90, 2.10, 3.30, 4.00, 4.60, 5.50, 7.00, 7.50, 9.75, 11.00, 14.50, 16.50, 17.00, 18.00, 25.00, 30.00

Variants: Plain & Prelam (5.5 mm & Above)

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

Balancing (BSB)

Finishes: Suede and Matt







Specifications and Standards

Plain MDF Boards

S.	Properties	Unit	IS 12406	IS 12406	Grade I
No.	Toportios	OTIL	Grade I	Grade II	Premium
INO.			DWR	DIR	Plus
4	1 0 140 111 1 1	, .			
1	Length & Width tolerance	mm/meter	±3.0	±3.0	±3.0
2	Thickness tolerance	mm	±0.30	±0.30	±0.30
3	Squareness & Edge Straightness tolerance	mm/meter	2.0	2.0	2.0
4	Density	Kg/m³	600-900	600-900	850-870
5	Variation from mean density	%	±10	±10	±10
6	Moisture content	%	5 to 10	5 to 10	4 to 8
7	Variation from mean moisture content (absolute)	%	±3	±3	±3
8	Water absorption (maximum)	%			
	a) After 2 Hours soaking		6.0	9.0	5 (≤8 mm) 3.75 (>8 mm)
	b) After 24 Hours soaking				12 (≤8 mm) 11 (>8 mm)
	i. Up to 6.0 mm thickness		30.0	45.0	
	ii. 7.0-12.0 mm thickness		20.0	30.0	
	iii. 13.0-19.0 mm thickness		13.0	20.0	
	iv. Above 20.0 mm thickness		12.0	18.0	
9	Linear expansion (swelling in water) (maximum)	%			
	(a) Due to general absorption (24 Hours soaking)				
	i. Thickness		7.0	10.0	4.0
	ii. Length and Width		0.3	0.4	0.3
	(b) Due to surface absorption		0.0	0.4	0.0
	i. Thickness after 2 Hours soaking		4.0	5.0	2.0
10	ĕ	N/mm²	4.0	5.0	2.0
10	Modulus of Rapture (Minimum) (a) Up to 20.0 mm	IN/IIIIII			
	* * *		28.0	28.0	35
	i. Average				
	ii. Minimum		25.0	25.0	32
	(b) Above 20.0 mm				
	i Average		25.0	25.0	NA
	ii. Minimum		22.0	22.0	NA
11	Modulus of elasticity (minimum)	N/mm ²			
	(a) Up to 20.0 mm				
	i. Average		2800	2800	3200
	ii. Minimum		2500	2500	3000
	(b) Above 20.0 mm				
	i. Average		2500	2500	NA
	ii. Minimum		2300	2300	NA
12	Tensile strength perpendicular to surface (IB) (a) Up to 20.0 mm	N/mm²			
	i. Average		0.90	0.80	1.20
	ii. Minimum		0.80	0.70	1.00
	(b) Above 20.0 mm				
	i. Average		0.80	0.70	NA
	ii. Minimum		0.70	0.60	NA
13	Tensile strength perpendicular to surface (IB) (a) After cyclic test	N/mm²			
	i. Average		0.45	NA	NA
	ii. Minimum		0.40	NA	NA
	(b) After accelerated water resistance test				
	i. Average		0.30	NA	0.30
	ii. Minimum		0.25	NA	0.25
14	Screw withdrawal strength	N			
	Face		1500	1500	2000
	Edge (for thickness>12.0 mm)		1250	1250	1500

Specifications and Standards

Prelaminated MDF Boards

S.	Properties	Unit	IS 14587	IS 14587	Grade I
No.			Grade I	Grade II	Premium
			DWR	DIR	Plus
1	Length & Width tolerance	mm/meter	±3.0	±3.0	±3.0
2	Thickness tolerance	mm	±0.30	±0.30	±0.30
3	Squareness & Edge Straightness tolerance	mm/meter	2.0	2.0	2.0
4	Density	Kg/m³	-	-	850-870
5	Variation from mean density	%	±10	±10	±10
6	Moisture content	%	-	-	4 to 8
7	Variation from mean moisture content (absolute)	%	-	-	±3
8	Water absorption (maximum)	%			
	a) After 2 Hours soaking		6.0	9.0	5 (≤8 mm) 3.75 (>8 mm)
	b) After 24 Hours soaking		12.0	18.0	12 (≤8 mm) 11 (>8 mm)
9	Modulus of Rapture (minimum)	N/mm²			
	(a) Up to 20.0 mm				
	i. Average		28.0	28.0	35
	ii. Minimum		25.0	25.0	32
	(b) Above 20.0 mm				
	i. Average		25.0	25.0	NA
	ii. Minimum		22.0	22.0	NA
10	Modulus of Elasticity (minimum)	N/mm²			
	(a) Up to 20.0 mm		0000	0000	0000
	i. Average		2800	2800	3200
	ii. Minimum		2500	2500	3000
	(b) Above 20.0 mm		2500	2500	NA
	i. Average				
11	ii. Minimum Tanaila etrangth perpendicular to curfees (IP)	N/mm²	2300	2300	NA
''	Tensile strength perpendicular to surface (IB) (a) Up to 20.0 mm	IN/IIIIII ⁻			
	i. Average		0.90	0.80	1.20
	ii. Minimum		0.80	0.70	1.00
	(b) Above 20.0 mm		0.00	0.70	
	i. Average		0.80	0.70	NA
	ii. Minimum		0.70	0.60	NA
12	Tensile strength perpendicular to surface (IB)	N/mm²			
	(a) After cyclic test		0.45		NIA
	i. Average		0.45	NA	NA
	i. Minimum (b) After accelerated water resistance test		0.40	NA	NA
	i. Average		0.30	NA	0.30
	ii. Minimum		0.25	NA	0.30
13	Screw withdrawal strength	N		, .	2.20
	Face		1500	1500	2000
	Edge (for thick>12.0 mm)		1250	1250	1500
14	Abrasion resistance, type II	Revolutions	450	450	450
15	Resistance to steam		No sign of blister, delamination or change in surface finish. There may be slight color change in dark colors/patterns.		
16	Resistance to crack		· ·	ks or delamination	
17	Resistance to stain		No stain on the specimen after cleaning with water, solvent or detergent.		
18	Resistance to cigarette burn		No mark or stain on the specimen after cleaning with water or solvent.		

^{*}NA- Not applicable







The Eco-friendly and Economical Board

Century Particle Boards are manufactured using high quality agro-wood plantation trees such as eucalyptus, making them environment-friendly.

These engineered wood panels are made of wood chips of pre-determined sizes and are bonded by synthetic resin under heat and pressure.

CERTIFICATIONS

Prelam Particle Board

PLB12/PLB22





Silver Nano Technology reduces microbial growth on the surface by 99.9%





Century Plain Particle Board

Specifications and Standards

	Specification as per S 3087:2005 (Grade-II)	Century Plain Particle Board	Specification as per IS 3087:2005 (Grade-I)	Century Plain Particle Board
		18 mm		18 mm
Density	500- 900 Kg/m³	640	500- 900 Kg/m ³	670
Density variation	± 10%	5	± 10%	5
Moisture content (%)	5 – 15%	7	5 - 15% +3	7.5
Water absorption (%) max				
(a) After 2 Hours	40	28	10	7
(b) After 24 Hours	80	65	20	16
Linear expansion (%) max.				
(I) Length	0.5%	0.3%	0.5%	0.3%
(ii) Width	0.5%	0.3%	0.5%	0.3%
Thickness Swelling (%), 2 Hours	12%	7.9%	8%	4.30%
Swelling in thickness Due to surface absorption (%)	9%	7%	6%	4%
Tensile strength perpendicular to surface (N/mm²) Up to 20.0 mm Thickness Above 20.0 mm Thickness	0.3 N/mm²	0.35 N/mm²	0.45 N/mm² 0.40 N/mm²	0.5 N/mm² 0.45 N/mm²
Tensile strength (N/mm²) (I) After cyclic test (ii) Accelerated water resistance test			0.2 0.15	0.22 0.18
Modulus of Rupture (N/mm²)	Avg. 11 N/mm²	13.2	Avg. 15 N/mm ²	16.9
1	Min. Ind. 10 N/mm ²	12.4	Min. Ind. 13 N/mm ²	14.3
Modulus of Elasticity N/mm²	Avg. 2000 N/mm ²	2360	Avg. 2500 N/mm ²	2680
1	Min. Ind. 1800 N/mm ²	1940	Min. Ind. 2200 N/mm ²	2340
Screw withdrawal, N (min)				
a) Face side	1250 N	1340	1250 N	1460
b) Edge (for thickness >12.0 mm)	700 N	870	850 N	980

Availability

Product	Finish	Size	Thickness
Plain Particle Board	NA	9'x6'(2750 mm x 1830 mm) 8'x6'(2440 mm x 1830 mm)	9 mm, 11mm, 12 mm, 15 mm, 17 mm, 18 mm, 25 mm
Prelaminated Particle Board	Suede & Matt	9'x6'(2750 mm x 1830 mm) 8'x6'(2440 mm x 1830 mm)	9 mm, 11 mm, 12 mm, 15mm, 17 mm, 18 mm, 25 mm

Century Prelam Particle Board

Specifications and Standards

	GRADE I, TYPE II		GRADE II, TYPE II	
Properties Physical & Mechanical)	Specification as per IS 12823:1990	Century Prelam Particle Board	Specification as per IS 12823:1990	Century Prelam Particle Board
Length	2440 + 6 mm, -0 mm	2440 mm	2440 +6 mm, -0 mm	2440 mm
Width	1830 + 3 mm, -0 mm	1830 mm	1830 +3 mm, -0 mm	1830 mm
Thickness (mm)	Thick. ± 5%	18.10 mm	Thick. ± 5%	18.10 mm
Straightness	2 mm per 1000 mm or 0.2%	0.5 mm	2 mm per 1000 mm or 0.2%	0.5 mm
Squareness	2 mm per 1000 mm or 0.2%	0.5 mm	2 mm per 1000 mm or 0.2%	0.5 mm
Appearance	No A B C defects	Defect-free	No A B C defects	Defect-free
Density, Kg/m³	500-900 KG/M3	670	500-900 KG/m ³	640
Density variation % (Max)	VAR.±10%	5	VAR.±10%	5
Water absorption (%) Max. (A) 2 Hours (B) 24 Hours	7 15	6 12	15 30	11 24
Thickness swelling (%), 2 Hours (Max)	5	3.5	8	6.5
Tensile strength perpendicular To Surface (N/mm²) Up To 20.0 mm Thickness Above 20.0 mm Thickness	0.45 N/mm² 0.40 N/mm²	0.50 N/mm ² 0.45 N/mm ²	0.3 N/mm²	0.35 N/mm²
Tensile strength (N/mm²) (I) After cyclic test (II) Accelerated water resistance test	0.2 0.15	0.22 0.18	Nil	Nil
Modulus of Rupture, N/mm² (Min) Avg. A) Average	15 N/mm²	17.5 N/mm²	11 N/mm²	13.5 N/mm²
Modulus of Elasticity, N/mm² A) Average	2500 N/mm²	2650 N/mm²	2500 N/mm²	2600 N/mm²
Screw withdrawal, N (Min) A) Face	1250 N	1500 N	1250 N	1400 N
B) Edge	850 N	1000 N	750 N	900 N
Moisture content %	5-15 %	7%	5-15 %	7%
Abrasion resistance (Min) In no. of Revolutions	Min.450	475	Min.450	475
Resistance to Stream	Shall not show any sign of blister delamination or change in surface finish	Conforms	Shall not show any sign of blister delamination or change in surface finish	Conforms
Resistance to crack	Shall not show any signs of crack or delamination	Conforms	Shall not show any signs of crack or delamination	Conforms
Resistance to cigarette burn	Shall not leave any mark or stain	Conforms	Shall not leave any mark or stain	Conforms
Resistance to stains	Shall not leave any mark or stain	Conforms	Shall not leave any mark or stain	Conforms

Note: Prelaminated Particle Board conforms to IS 12823: 1990, Type II, Grade I & Grade II. Century Prelaminated Particle Boards can also be supplied in E1 grade & HMR Grade. Prelam Particle boards are available in all colours and finishes shown in this catalogue

Fire Shield Plus

Specifications and Standards

Properties	UMO	FSP Standard
Dimension Tolerance		
Length & width	mm/mtr	±3
Thickness	mm	±0.30
Edge Straightness & Squareness (Max.)	mm/mtr	±2
Density	Kg/m³	850-870
Variation From Mean Density	%	±10
Moisture Content	%	4-8
Variation From Mean Moisture Content	%	±3
Linear Expansion (Thickness swelling in Water) Due to general absorption after 24 Hrs. soaking (Max.)	%	5
Internal Bond Strength (Min.)	N/mm²	1.0 - 1.20
Internal Bond Strength (Min.)		
a) After Cyclic Test	N/mm²	N/A
b) After Accelerated Water Resistant Test	N/mm²	0.25 - 0.30
Modulus of Rupture (Min.)	N/mm²	32 - 35
Modulus of Elasticity (Min.)	N/mm²	3000 - 3200
Screw Withdrawal Strength (Min.)		
Face	N	2000
Edge, For 12 mm and above thickness	N	1500
Formaldehyde Content	mg/100 gm for oven dry board	E1 : Fc ≤ 8
FR Class	As per ASTM E84	Class A







Salop Teak 4451



Linen Weave 3879









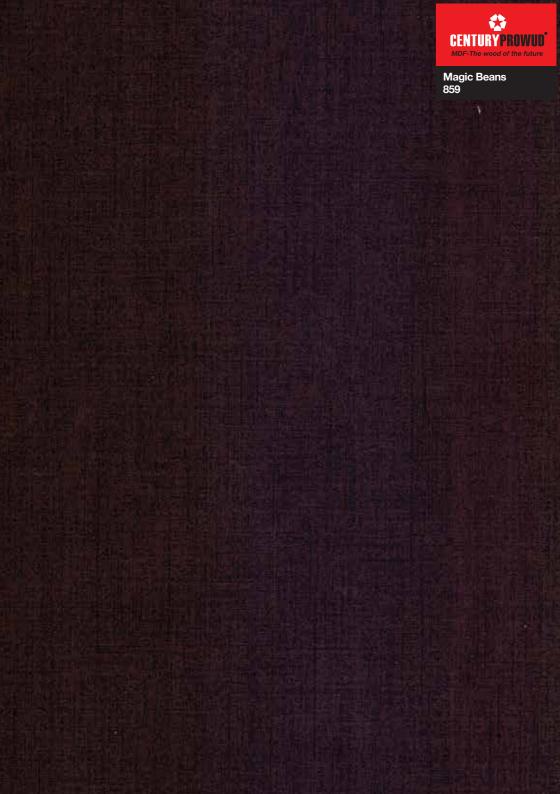
Deven Oak 3675







Bodenasee Beech 303







Brila Weave 4861





Genial Weave 4855



























Smoked Teak 3454





Nayana Teak 4446







Flowery Wenge 3793











Bavarian Beech 311

















Smoked Pine 4536

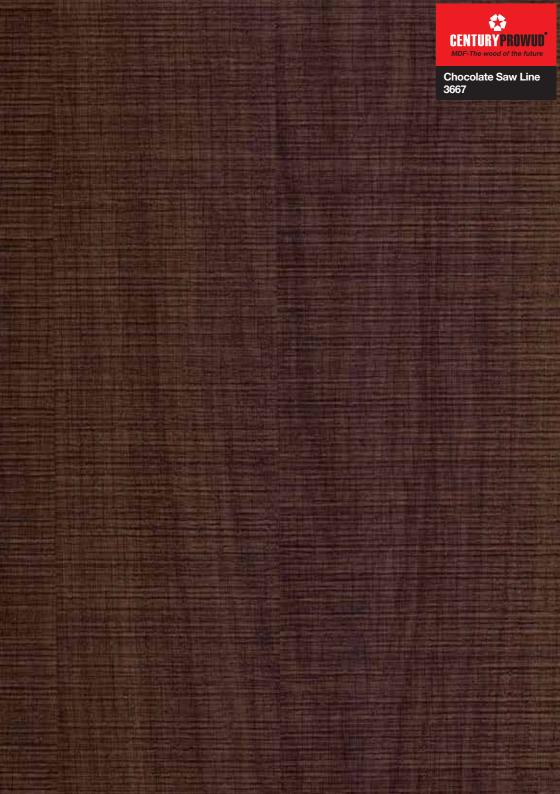








Sandy Saw Line 3666





Moldau Acacia 3707











Wenge Brew 675















Chestnut Red 148



Blood Red 195











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Burgundy 182



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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.

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Black 0293 **Available only in 4 Ft. width



Made at the most advanced plant in India



Plant spread over 1,57,600 sq. m. in Hoshiarpur, Punjab



Annual production of 2.5 Lakh chm



State-of-the-art machinery and research facility



World-class board with superior density



Available in a wide range of shades



MDF-The wood of the future

Century Plyboards (India) Limited

Engineered Panel Products Division

Sales & Marketing Office: 217, DLF Prime Towers, Plot No. 79 & 80, Pocket-F, Okhla Phase-1, New Delhi-110020.

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