Now build the way the world does. 11 71 71 71 71 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 CO_2 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.



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: Densified Water Resistant (IS Grade I): Its densified structure is forged with moisture fighting properties which make it 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 Prelaminated













FSC® certified products available upon request















High Density High Moisture Resistant Premium Boards



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 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.









Uniform & Higher Density

High Moisture Resistance





Super Smooth & Paintable

Long Lasting & Value for Money





Fungus Resistant

Borer, Termite & Special Ingredients for Toughness





Vast Range of Prelam Decor

Specially Developed for Indian Conditions

The world-class MDF

now comes with Kills 99.99% Viruses

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 prelaminated board.

Prelaminated 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 a variety of sizes and thicknesses. It's available in both Plain & Prelaminated variants.

Premium Plus Range

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

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







CERTIFICATIONS























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.



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



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



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



Environment friendly: Century Prowud MDF is an eco friendly product and conforms to F2 Formaldehyde emission level grade of European



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



Specially Developed for Indian Conditions.

Century Prowud MDF Range

Century Prowud MDF offers a wide range of MDF panels in different grades and a

DWR Range (Grade-I)

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

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

Variants: Plain & Prelam (Above 5.5 mm)

DIR Range (Grade-II)

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

Thickness (in millimetres) 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

Variants: Plain & Prelam (Above 5.5 mm)

Range: One-side laminated

laminated (BSL), One-side

Finishes: Suede and Matt

Specifications and Standards Plain MDF Boards

1	0	D#	11-24	10.10.400	10.10.400	0
Length & Width tolerance	S.	Properties	Unit	IS 12406	IS 12406	Grade I
Length & Width tolerance	IVO.					
2 Thickness tolerance				DWK		Plus
3 Squareness & Edge Straightness tolerance mm/meter 2.0 2.		Length & Width tolerance	mm/meter			
A Density	2	Thickness tolerance	mm	±0.30	±0.30	±0.30
5 Variation from mean density 96 ±10 ±10 ±10 ±10 8 6 Moisture content 96 5 to 10 5 to 10 4 to 8 7 7 Variation from mean moisture content (absolute) 96 ±3 ±3 ±3 ±3 8 Water absorption (maximum) 96 a) After 2 Hours soaking 6.0 9.0 5 (≤8 mm) 3.75 (≥8 mm) 3.75 (≥8 mm) 12 (≤8 mm) 3.75 (≥8 mm) 12 (≤8 mm) 11 (≥8 mm) 11 (≥8 mm) 11 (≥8 mm) 11 (≥8 mm) 12 (≤8 mm) 11 (≥8 mm) 11 (≥8 mm) 12 (≥8 mm) 13 (≥9 0.0 30.0 45.0 13 (≥8 0.0 20.0 30.0 45.0 13 (≥8 0.0 20.0 30.0 45.0 13 (≥8 0.0 20.0 30.0 45.0 13 (≥8 0.0 20.0 30.0 45.0 13 (≥8 0.0 20.0 30.0 45.0 13 (≥8 0.0 20.0 30.0 40.0 30.0 40.0 30.0 40.0 30.0 40.0 30.0 40.0 30.0 40.0 30.0 40.0 30.0 40.0	3	Squareness & Edge Straightness tolerance	mm/meter	2.0	2.0	2.0
Section Sect	4	Density	Kg/m³	600-900	600-900	850-870
Variation from mean moisture content (absolute) %	5	Variation from mean density	%	±10	±10	±10
Same	6	Moisture content	%	5 to 10	5 to 10	4 to 8
a) After 2 Hours soaking b) After 24 Hours soaking c) 45 (£8 mm) c) 12 (£8 mm) c) 11 (\$1.0 to 6.0 mm thickness c) 12 (\$1.0 to 1.0 mm thickness c) 13 (\$1.0 to 1.0 to 20.0 c) 30.0 c) 3.75 (£8 mm) c) 11 (\$1.0 to 1.0 to 3.0 c) 3.75 (£8 mm) c) 11 (\$1.0 to 1.0 to 3.0 c) 3.0 co 3.0 c) 3.1 to 3.0 c) 3.0 co 3.0 c) 3.0	7	Variation from mean moisture content (absolute)	%	±3	±3	±3
b) After 24 Hours soaking	8	Water absorption (maximum)	%			
11 (>8 mm) 11 (>8 mm) 12 mm 12 mm 13 (>8 mm) 13 (>8 mm) 14 (>8 mm) 15 mm 15		a) After 2 Hours soaking		6.0	9.0	
ii. 7.0-12.0 mm thickness 20.0 30.0 iii. 13.0-19.0 mm thickness 13.0 20.0 13.0 20.0 iii. 13.0-19.0 mm thickness 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 18.0 12.0 10.		b) After 24 Hours soaking				
III. 13.0-19.0 mm thickness 13.0 20.0 18.0 19.0 18.0 19.0		i. Up to 6.0 mm thickness		30.0	45.0	
Iv. Above 20.0 mm thickness 12.0 18.0				20.0	30.0	
9 Linear expansion (swelling in water) (maximum) (a) Due to general absorption (24 Hours soaking) i. Thickness ii. Length and Width (b) Due to surface absorption i. Thickness after 2 Hours soaking 10 Modulus of Rapture (Minimum) (a) Up to 20.0 mm i. Average ii. Minimum (a) Up to 20.0 mm i. Average ii. Minimum (a) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum (c) Aterage ii. Minimum (d) Up to 20.0 mm i. Average ii. Minimum (e) Aterage ii. Minimum (f) Aterage ii. Minimum (g) Up to 20.0 mm ii. Average ii. Minimum ii. Avera		iii. 13.0-19.0 mm thickness		13.0	20.0	
(a) Due to general absorption (24 Hours soaking) i. Thickness ii. Length and Width (b) Due to surface absorption i. Thickness after 2 Hours soaking 10 Modulus of Rapture (Minimum) (a) Up to 20.0 mm i. Average ii. Minimum (a) Up to 20.0 mm i. Average ii. Minimum (a) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i. Average iii. Minimum (b) Above 20.0 mm i. Average iii. Minimum (c) Above 20.0 mm i. Average iii. Minimum (b) After 60.0 mm iii. Average iii. Minimum (c) Above 20.0 mm iii. Average iii. Minimum iii. Average iii. Minimum (b) After 60.0 mm iii. Average iii. Minimum (c) After cyclic test iii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iii. Minimum (b) After accelerated water resistance test iiii. Average iii. Minimum (b) After accelerated water resistance test iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii		iv. Above 20.0 mm thickness		12.0	18.0	
i. Thickness ii. Length and Width (b) Due to surface absorption i. Thickness after 2 Hours soaking Modulus of Rapture (Minimum) (a) Up to 20.0 mm i. Average ii. Minimum (a) Up to 20.0 mm i. Average ii. Minimum (a) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum (a) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum I. Average ii. Minimum I. Average ii. Minimum I. Average II. Minimum II. Average III. Minimum II. Average III. Minimum III. Average III.	9	Linear expansion (swelling in water) (maximum)	%			
ii. Length and Width (b) Due to surface absorption i. Thickness after 2 Hours soaking 10 Modulus of Rapture (Minimum) (a) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum (a) Up to 20.0 mm ii. Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum ii. Average iii. Minimum (b) Above 20.0 mm ii. Average iii. Minimum ii. Average iii. Minimum iii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iiii. Minimum (b) After accelerated water resistance test iii. Average iiii. Minimum (b) After accelerated water resistance test iii. Average iiii. Minimum (b) After accelerated water resistance test iii. Average iiii. Minimum (b) After accelerated water resistance test iiii. Average iiii. Minimum (b) After accelerated water resistance test iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii		(a) Due to general absorption (24 Hours soaking)				
(b) Due to surface absorption i. Thickness after 2 Hours soaking 10 Modulus of Rapture (Minimum) (a) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum (c) Average ii. Minimum (d) Up to 20.0 mm i. Average ii. Minimum (e) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum (c) Athore 20.0 mm i. Average ii. Minimum (d) Above 20.0 mm i. Average ii. Minimum (e) Above 20.0 mm i. Average ii. Minimum (b) Athore 20.0 mm i. Average ii. Minimum (b) Athore 20.0 mm i. Average ii. Minimum (b) Ather accelerated water resistance test i. Average ii. Minimum (b) Ather accelerated water resistance test i. Average ii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iiiiinimum (b) After accelerated water resistance test iiiinimum (c) After cyclic test iiiinimum (c) After cyclic test iiiinimum (c) After cyclic test iiiinimum (d) After cyclic test iiiinimum (e) After cyclic test iiiinimum (f) After cyclic test iiiinimum (g) After cyclic test iiinimum (g) After cyclic test iinimum (g) After cyc		i. Thickness		7.0	10.0	4.0
i. Thickness after 2 Hours soaking Modulus of Rapture (Minimum) (a) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum (a) Up to 20.0 mm i Average ii. Minimum (a) Up to 20.0 mm i Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum (c) After cyclic test i. Average ii. Minimum (b) After accelerated water resistance test i. Average ii. Minimum (c) After accelerated water resistance test i. Average ii. Minimum (c) After accelerated water resistance test ii. Average ii. Minimum (c) After accelerated water resistance test ii. Average ii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (c) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (c) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test ii. Average iii. Minimum (b) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iii. Average iii. Minimum (c) After accelerated water resistance test iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii		ii. Length and Width		0.3	0.4	0.3
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(a) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i Average ii. Minimum (a) Up to 20.0 mm i. Average ii. Minimum (b) Above 20.0 mm i. Average ii. Minimum ii. Average iii. Minimum ii.	10	Modulus of Rapture (Minimum)	N/mm ²			
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ii. Minimum		. ,		28.0	28.0	35
(b) Above 20.0 mm i Average ii. Minimum 11 Modulus of elasticity (minimum) (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 2500 NA 2500 2500 NA 250						32
1 Average 25.0 25.0 NA						
ii. Minimum		. ,		25.0	25.0	NA
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i. Åverage ii. Minimum (b) Above 20.0 mm i. Average iii. Minimum 2500 2500 3000 (b) Above 20.0 mm i. Average iii. Minimum 2300 2300 NA 12 Tensile strength perpendicular to surface (IB) (a) Up to 20.0 mm i. Average iii. Minimum (b) Above 20.0 mm i. Average iii. Minimum (b) Above 20.0 mm i. Average iii. Minimum i. Average iii. Minimum i. Average iii. Minimum 0.80 0.70 NA iii. Minimum 0.70 0.60 NA 13 Tensile strength perpendicular to surface (IB) (a) After cyclic test i. Average ii. Minimum 0.40 NA NA (b) After accelerated water resistance test i. Average ii. Minimum 0.40 NA NA (b) After accelerated water resistance test ii. Average iii. Minimum 0.40 NA NA (b) After accelerated water resistance test ii. Average iii. Minimum 0.40 NA NA NA (b) After accelerated water resistance test ii. Average iii. Minimum 0.40 NA O.30 iii. Minimum 0.25 NA 0.25		(a) Up to 20.0 mm				
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(b) Above 20.0 mm i. Average ii. Minimum Tensile strength perpendicular to surface (IB) (a) Up to 20.0 mm i. Average ii. Minimum i. Average ii. Amanamamamamamamamamamamamamamamamamamam		<u> </u>				
ii. Minimum 2300 2300 NA 12 Tensile strength perpendicular to surface (IB) (a) Up to 20.0 mm i. Average 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 i. Average 0.45 NA NA NA ii. Minimum 0.40 NA NA NA (b) After accelerated water resistance test i. Average 0.30 NA 0.30 ii. Minimum 0.40 NA NA NA (b) After accelerated water resistance test i. Average 0.30 NA 0.30 ii. Minimum 0.25 NA 0.25		(b) Above 20.0 mm				
ii. Minimum 2300 2300 NA 12 Tensile strength perpendicular to surface (IB) (a) Up to 20.0 mm i. Average 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 i. Average 0.45 NA		i. Average		2500	2500	NA
12 Tensile strength perpendicular to surface (IB) (a) Up to 20.0 mm		<u> </u>		2300	2300	NA
(a) Up to 20.0 mm i. Average ii. Minimum i. Average ii. More age ii. Minimum i. Average ii. Minimum i. Average ii. Minimum ii. Average ii. Minimum ii. Average ii. Average ii. Average ii. Minimum ii. Average ii. Average ii. Average ii. Average ii. Average ii. Average ii. Minimum ii. Average ii. Average ii. Minimum ii. Average ii. Minimum ii. Average ii. Average ii. Minimum ii. Average ii. Average ii. Minimum ii. Average ii. Minimum ii. Average ii. Average ii. Average ii. Minimum ii. Average ii.	12		N/mm²			
ii. Minimum						
ii. Minimum				0.90	0.80	1.20
i. Average 0.80 0.70 NA ii. Minimum 0.70 0.60 NA 13 Tensile strength perpendicular to surface (IB) N/mm² 0.60 NA (a) After cyclic test 0.45 NA NA i. Average 0.40 NA NA ii. Minimum 0.40 NA NA (b) After accelerated water resistance test 0.30 NA 0.30 ii. Minimum 0.25 NA 0.25 14 Screw withdrawal strength N 1500 1500 2000		ii. Minimum		0.80	0.70	1.00
ii. Minimum		(b) Above 20.0 mm				
ii. Minimum		i. Average		0.80	0.70	NA
13 Tensile strength perpendicular to surface (IB) (a) After cyclic test i. Average ii. Minimum (b) After accelerated water resistance test i. Average ii. Minimum 0.40 NA		· ·				NA
(a) After cyclic test i. Average ii. Minimum (b) After accelerated water resistance test i. Average ii. Average ii. Average ii. Average ii. Average ii. Minimum 0.25 NA 0.25 14 Screw withdrawal strength Face 1500 1500 2000	13		N/mm²			
i. Average		0 1 1				
(b) After accelerated water resistance test i. Average ii. Minimum 0.25 NA 0.30 0.25 NA 0.25 14 Screw withdrawal strength Face 1500 1500 2000		` '		0.45	NA	NA
i. Average 0.30 NA 0.30 ii. Minimum 0.25 NA 0.25 14 Screw withdrawal strength N		ii. Minimum		0.40	NA	NA
ii. Minimum 0.25 NA 0.25 14 Screw withdrawal strength N		(b) After accelerated water resistance test				
14 Screw withdrawal strength N Face 1500 1500 2000		i. Average		0.30	NA	0.30
Face 1500 1500 2000		ii. Minimum		0.25	NA	0.25
333	14	Screw withdrawal strength	N			
Edge (for thickness>12.0 mm) 1250 1250 1500		Face		1500	1500	2000
		Edge (for thickness>12.0 mm)		1250	1250	1500

^{*}NA- Not applicable

Specifications and Standards Prelaminated MDF Boards

S. No.	Properties	Unit	IS 14587 Grade I	IS 14587 Grade II	Grade I
			Grade I		
					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
	Squareness & Edge Straightness tolerance	mm/meter	2.0	2.0	2.0
4	Density	Kg/m³	-	-	850-870
	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			(> 0)
	(a) Up to 20.0 mm	14/111111			
	i. Average		28.0	28.0	35
	ii. Minimum		25.0	25.0	32
	(b) Above 20.0 mm		20.0	20.0	OL.
	i. Average		25.0	25.0	NA
	ii. Minimum		22.0	22.0	NA NA
10	Modulus of Elasticity (minimum)	N/mm²	22.0	22.0	
	(a) Up to 20.0 mm				
	i. Average		2800	2800	3200
	ii. Minimum		2500	2500	3000
	(b) Above 20.0 mm		2000	2000	0000
	i. Average		2500	2500	NA
	ii. Minimum		2300	2300	NA
11	Tensile strength perpendicular to surface (IB)	N/mm²	2000	2000	147.
	(a) Up to 20.0 mm				
	i. Average		0.90	0.80	1.20
	ii. Minimum		0.80	0.70	1.00
	(b) Above 20.0 mm				
	i. Average			0.70	NA
	ii. Minimum		0.70	0.60	NA
12	Tensile strength perpendicular to surface (IB)	N/mm²	0.1.0		
	(a) After cyclic test				
	i. Average		0.45	NA	NA
	i. 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
13	Screw withdrawal strength	N			
	Face		1500	1500	2000
	Edge (for thick>12.0 mm)		1250	1250	1500
14	Abrasion resistance, type II	Revolutions	450	450	450
	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		No sign of crac	ks or delamination	on.
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





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



The world-class MDF



Century Plain Particle Board Specifications and Standards

Properties (Physical & Mechanical)	Specification as per IS 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/mm ² 0.40 N/mm ²	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/mm ²	13.2	Avg. 15 N/mm ²	16.9
	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
	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	≣∥	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/mm ²	11 N/mm²	13.5 N/mm ²	
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 Grade II, Type II
Century Prelaminated 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



- 1. A wide range of shades in pastels, textiles and woodgrains
- 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
- High screw holding strength and load bearing capacity 8.
- 9. Free from warping and surface defects
- 10. Bacteria-free surface due to Silver Nano Technology

Certifications



Prelam MDF











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

























New Introduction























Brila Weave 4861







Genial Weave 4855

































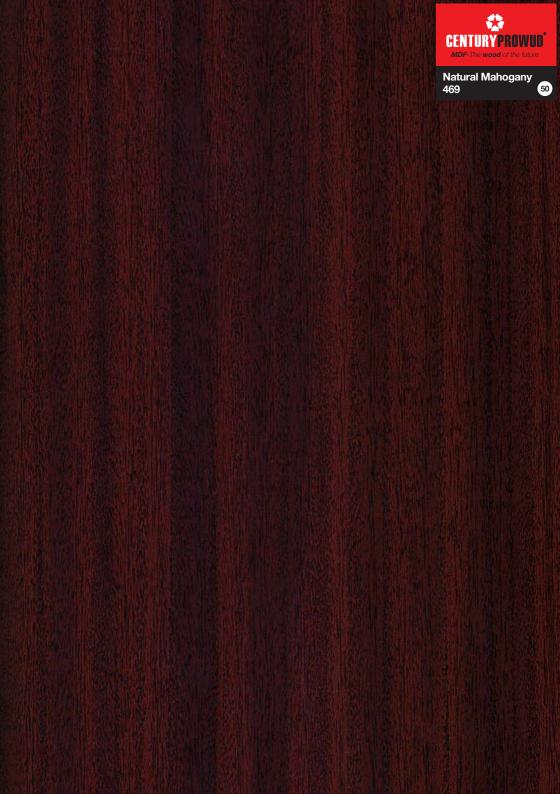
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Smoked Teak 3454

**Available only in 4 Ft. width











Flowery Wenge













Bavarian Beech

















Smoked Pine





Grey Prapila 3721







Chocolate Saw Line 3667





























Blood Red





















95

Graphite Grey 238







Black



Sample-Matt Finish

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Design No.	Design Name	Matching Century Laminate	Page
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111	Frosty White	Available	81
118	Off White	Available	80
121	Ivory	Available	86
148	Chestnut Red	Available	84
163	Beige	Available	87
182	**Burgundy	Available	94
193	**Pink	Not Available	83
195	Blood Red	Available	85
219	Mandarin Garnet	Available	88
222	Silver Grey	Available	89
224	Gothic Grey	Available	90
238	Graphite Grey	Available	95
261	Lavender	Available	91
264	**Violet	Available	92
289	Bloom Green	Not Available	97
293	Black	Available	98
303	Bodenasee Beech	Available	26
311	Bavarian Beech	Available	58
323	Intal Beech	Not Available	44
357	Thansau Maple	Available	55
403	Wild Pear	Available	20
456	Samoa Teak	Available	46
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473	Khaya Mahogany	Not Available	51
483	Douglas Pine	Not Available	64
655	Lyon Walnut	Not Available	35
656	Columbia Walnut	Not Available	36
657	Marine Walnut	Not Available	45
675	Wenge Brew	Available	77
676	Wenge Cream	Available	76
683	Astronium Wood	Not Available	56
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859	Magic Beans	Available	27
3203	Yellow	Not Available	93
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3345	Wyoming Maple	Available	54

 $^{^{\}circ}$ 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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Design No.	Design Name	Matching Century Laminate	Page
3376	Oxford Cherry	Available	60
3438	Natural Ebony	Not Available	62
3451	**Evoluzion Teak	Available	48
3454	**Smoked Teak	Available	47
3503	Padauk Burl	Available	23
3511	Dragon Walnut	Available	24
3523	Classic Walnut	Available	32
3524	Decent Walnut	Available	37
3525	Fusion Maple	Available	57
3532	Highland Pine	Available	63
3541	Sapeli	Available	59
3661	Sonoma Oak	Available	74
3662	Napa Oak	Available	75
3666	Sandy Saw Line	Available	70
3667	Chocolate Saw Line	Not Available	71
3674	Paria Oak	Available	21
3675	Deven Oak	Available	22
3707	Moldau Acacia	Available	72
3721	Grey Prapila	Not Available	68
3722	Brown Prapila	Not Available	69
3793	Flowery Wenge	Not Available	52
4371	Accademia Cherry	Not Available	61
4427	Cairo Walnut	Available	33
4429	Classsic Planked Walnut	Available	34
4446	Nayana Teak	Available	49
4447	Urban Teak	Available	53
4535	Snow Pine	Available	67
4536	Smoked Pine	Available	66
4539	Greneda Pine	Not Available	78
4662	Blocked Oak	Not Available	40
4663	Valley Oak	Not Available	41
4674	Canyon Oak	Not Available	43
4675	Fleed Oak	Not Available	42
4787	**Brown Recomposed Wood	Not Available	39
4788	**Black Recomposed Wood	Available	38
4854	Brilliant Weave	Available	30
4855	Genial Weave	Available	31
4861	Brila Weave	Available	29
4872	**Grey Linen	Available	25

^{**}Available only in 4 Ft. width



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