PANELOGUE

Technical Datasheet

MDF Tricoya

Substrates Collection

MDF Tricoya excels in areas where properties such as high strength, lightweight, adequate insulation, excellent machinability, and ease-of-use are required, especially in outdoor environments where materials are affected by humidity and extreme weather.

Thickness	kindly enquire with us
Dimensions	1220 × 2440 mm

Characteristics

Super E0
No Added Formaldehyde

Made with a high-performance resin with no added formaldehyde.

H4 Weatherproof

Suitable for exterior conditions, where applications are prone to prolonged weather exposure.

Dimensionally Stable

Swelling and shrinking is dramatically reduced due to its structural composition.

Sustainable

Raw materials used to manufacture the board are harvested from a FSC-certified source.

Technical Specifications

General Requirements for Medium Density Fibreboard

Properties		Test Method	Requirement
Tolerance on Nominal Dimensions	Thickness	EN 324-1	± 0.2 mm
	Length/Width		± 0.3 mm
Squareness Tolerance		EN 324-2	2 mm/m
Tolerance of Density		EN 323	± 10%
Formaldehyde Release		EN 120	Class E1 ≤ 8mg/100g

PANELOGUE

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Requirements for Medium Density Fibreboard for use in Dry Conditions

Properties	Test Method	Unit	Thickness (mm, nominal dimension)		
			> 9 to 12	**> 12 to 19**	**> 19 to 25**
Bending Strength	EN 310	N/mm²	22	20	18
Modulus of Elasticity	EN 310	N/mm²	2500	2200	1900
Internal Bond	EN 319	N/mm²	0.6	0.55	0.55
Swelling in thickness	EN 317	%	15	12	10

Requirements for Medium Density Fibreboard for use in Humid Conditions

Properties	Test Method	Unit	Thickness (mm, nominal dimension)		
			> 9 to 12	**> 12 to 19**	**> 19 to 25**
Average Density	EN 323	Kg/m³	> 700	> 700	> 700
Bending Strength	EN 310	N/mm²	32	30	28
Modulus of Elasticity	EN 310	N/mm²	2800	2700	2600
Internal Bond	EN 319	N/mm²	0.8	0.75	0.75
Swelling in thickness	EN 317	%	10	8	7

Technical Specifications for MDF Tricoya

Properties	Test Method	Unit	Thickness (mm, nominal dimension)				
			6	**9**	**12**	**15**	**18**
Average Density	EN 323	Kg/m³	720	720	720	700	680
Bending Strength	EN 310	N/mm²	30	30	25	20	20
Modulus of Elasticity	EN 310	N/mm²	> 3000	> 3000	> 2500	> 2500	> 2500
Internal Bond	EN 319	N/mm²	0.80	0.80	0.80	0.80	0.80
Swelling in Thickness	EN 317	%	2.5	2.0	2.0	1.5	1.5

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MDF Tricoya
Application Areas

Furniture and Woodworking	
Lamination of Surface Elements (Melamine, Laminates and Foils)	•
Spray Painting	•
Easy processing with woodworking tools	•
Excellent grip of fasteners (Screws, nails and staples)	•
Decorative Surface	
Attractive Edges	
Homogeneous Appearance Throughout	•

Building and Stuctural Applications	
High Moisture and Humidity Resistance	H4
Increased Fire Safety Regulations	
Termite Resistance	High resin content naturally increases termite resistance
Climate Sensitive Applications (Ultra Low VOC)	
Horizontal Load-bearing Applications	•
Non Load-bearing Walls, Partitions and Ceilings	•
Formwork	

Other Technical and Industrial Applications	
Door production with increased fire safety regulations	
Suitable for use in marine vessels	
Temporary Outdoor Exhibitions	•
Packaging Industry	
Signage and Billboards	•
Warehouse Management (Racking)	•

• Recommended