



MDF Forescolor

Substrates Collection

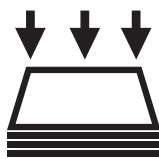
Ideal for design-centric applications, MDF Forescolor uses organic dyes in its production process. With solid hues impregnated into the wood fibres, one can expect homogenous colour distribution throughout all boards. Regardless of the boards being sanded, cut, routed, or machined, colour retains and does not fade.

Also, the moisture-resistant resin used gives the boards exceptional physical and mechanical properties – higher moisture resistance compared to regular MDF and up to 30% greater strength.

Thickness
Dimensions

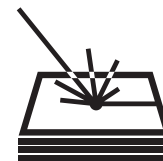
5 / 9 / 12 / 15 / 18 mm
1220 × 2440 mm

Characteristics



Heavy Loading

Due to higher bending strength, the boards can take more weight.



Easy to Machine

Suitable for machining or routing complex patterns and shapes.



Non-toxic

Ultra-low formaldehyde



Moisture-resistant

Suitable for humid conditions where there is exposure to water.



Tool-friendly

A higher density profile of the boards facilitates the finishing process using standard tools.

Finishes



MDF Forescolor Red



MDF Forescolor Orange



MDF Forescolor Yellow



MDF Forescolor Blue



MDF Forescolor Green



MDF Forescolor Brown



MDF Forescolor Black



MDF Forescolor Grey



MDF Forescolor Light Grey

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

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/mm ²	22	20	18
Modulus of Elasticity	EN 310	N/mm ²	2500	2200	1900
Internal Bond	EN 319	N/mm ²	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/m ³	> 700	> 700	> 700
Bending Strength	EN 310	N/mm ²	32	30	28
Modulus of Elasticity	EN 310	N/mm ²	2800	2700	2600
Internal Bond	EN 319	N/mm ²	0.8	0.75	0.75
Swelling in thickness	EN 317	%	10	8	7

Technical Specifications for MDF Forescolor

Properties	Test Method	Unit	Thickness (mm, nominal dimension)				
			5	9	12	15	18
Average Density	EN 323	Kg/m ³	820	780	760	760	740
Bending Strength	EN 310	N/mm ²	≥ 34	≥ 34	≥ 32	≥ 30	≥ 30
Modulus of Elasticity	EN 310	N/mm ²	≥ 3000	≥ 3000	≥ 2800	≥ 2700	≥ 2700
Internal Bond	EN 319	N/mm ²	≥ 1.00	≥ 0.80	≥ 0.80	≥ 0.80	≥ 0.75
Swelling in Thickness	EN 317	%	18	12	10	8	8

MDF Forescolor 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 Structural Applications	
High Moisture and Humidity Resistance	H3
Increased Fire Safety Regulations	Class 0* Class 1*
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	Class 0* Class 1*
Suitable for use in marine vessels	
Temporary Outdoor Exhibitions	•
Packaging Industry	
Signage and Billboards	•
Warehouse Management (Racking)	•

• Recommended * Option Available