



4 mm AND 6 mm ONE SIDE MELAMINE FACED MDF PANEL

Medium Density Fiberboard (MDF) panel for interior use in thickness 4mm and 6mm. A melamine decorative surface is placed on its top side through a pressing process.

Available as FSC Certified, only on request.

Available with water repellent MDF panel, only on request.

Panel back side is raw.

Standard sizes: 2800x2150mm e 5600x2150mm.

Minimum density of melamine faced panel: 900 kg/m³.

MELAMINE FACED PANEL TECHNICAL CHARACTERISTICS*

RESISTANCE TO ABRASION		EN 14323	Printed Class 1, Unicolori Class \geq 3A
RESISTANCE TO WTAER STEAM		EN 14323	\geq Level 4
RESISTANCE TO SCRATCHES		EN 14323	\geq 1,5N
RESISTANCE TO STAINING		EN 14323	Groups 1 and 2, Class \geq 4
RESISTANCE TO LIGHT		EN 14323	\geq 4 grey scale
RESISTANCE TO CRACKS		EN 14323	Class \geq 3
RESISTANCE TO DRY HEAT		EN 12722	Class B
TENDENCY TO RETAIN DIRT		UNI 9300	Level \geq 4
SURFACE DEFECTS		EN 14323	Spots: \leq 2 mm ² /m ² , Length: \leq 20 mm ² /m ²
DIMENSIONAL TOLERANCES	THICKNESS	EN 14323	+/- 0,2 mm**
	LENGTH AND WIDTH	EN 14323	+/- 5 mm
FORMALDHEYDE RELEASE		EN ISO 12460-3	\leq 3,5 mg/(m ² h), Class E1 (EN 13986)
		EN ISO 16516	< 0,1 ppm, Class E1 (BAanz AT26.11.2018 B2 - E05)
		ASTM E1333-96	< 0,09 ppm (CARB P2 – EPA TSCA Title VI)

MEDIUM DENSITY FIBERBOARD TECHNICAL CHARACTERISTICS

COMPOSITION	Wood	Broad-leaved and coniferous fibres	79-89%
	Adhesive	Urea – formaldehyde glue	7 - 10%
	Additives	Ammonium sulfate	0,2%
		Paraffin	Traces
DENSITY		EN 323	850 – 950 Kg/m ³
MOISTURE CONTENT		EN 322	4 - 11%
SAND CONTENT		EN 3340	< 0,05 %
MODULUS OF ELASTICITY		EN 310	> 3000 N/mm ²
INTERNAL BONDING		EN 319	\geq 0,70 N/mm ²
BENDING STRENGTH		EN 310	\geq 27 N/mm ²
SWELLING AT 24 h		EN 317	\leq 35% (in thickness)



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ON REQUEST

WATER REPELLENT MELAMINE FACED MDF PANEL

Same characteristics of standard panel, together with the following water resistance properties:

NOMINAL VALUES BY THICKNESS GROUP		> 2,5 mm ≤ 4 mm	> 4 mm ≤ 6 mm
SWELLING AT 24 h (in thickness) %	EN 317	< 30	< 18
SWELLING AFTER CYCLIC TEST OPT. 1 %	EN 321	< 40	< 25
TENSILE STRENGTH AFTER CYCLIC TEST OPT. 1 N/mm ²	EN 321	> 0,35	> 0,35

FSC CERTIFIED MELAMINE FACED MDF PANEL

FSC Mix Credit ICILA-COC-000343



STORAGE AND HANDLING

Goods must be stored in a dry and ventilated place (relative air humidity 35%-65%). Do not store with inflammable substances. If exposed to direct sunlight, the laminate may deteriorate. Stacks should be stored correctly, at a manageable height to ensure stability. To avoid warping or damp stains, place the panels on pallets with adequate spaces. When handling the laminates, use suction pads or gloves. Machinery and equipment must be fitted with suitable aspiration systems.



CLEANING & MAINTENANCE

The melamine surfaces are the most resistant among those used in the furniture field. For cleaning, it is preferable to choose a detergent for domestic use. It is recommended that you avoid spraying products directly onto the surface, as this may leave stains and marks; instead, it is preferable to apply the detergent product on a soft damp cloth, clean the surface and then rinse it. Avoid using abrasive products, bleach or highly chlorinated products or acids.

* Values reported herein are related to a standard product configuration. For customized products please contact our sales office.

** The nominal values of each texture are indicated in the relevant product section of the Cleaf web site
<https://www.cleaf.it/en/prodotti/pannelli/>