

MELAMINE FACED MDF PANEL



Medium Density Fibreboard (MDF) for interior use whose sides are covered by a melamine decorative paper through a pressing process. Available on request: FSC, water resistant and fire resistant.

TECHNICAL CHARACTERISTICS OF THE MELAMINE FACED PANEL*

RESISTANCE TO ABRASION	EN 14323	Prints: Class 1, Solid colours: Class 3A
RESISTANCE TO WATER STEAM	EN 14323	≥ Level 4
RESISTANCE TO SCRATCHES	EN 14323	≥ 1,5N
RESISTANCE TO STAINS	EN 14323	Groups 1 and 2, class ≥ 4
RESISTANCE TO LIGHT	EN 14323	≥ 4 grey scale
RESISTANCE TO CRACKS	EN 14323	Class ≥ 3
RESISTANCE TO DRY HEAT	EN 12722	Class B
TENDENCY TO RETAIN DIRT	UNI 9300	Level ≥ 4
SURFACE DEFECTS	EN 14323	Spots: ≤2 mm ² /m ² Length: ≤20 mm/m ²
DIMENSIONAL TOLERANCES	THICKNESS	EN 14323 ≤19 mm: +/- 0,2 mm** >19 mm: +/- 0,3 mm**
	LENGTH AND WIDTH	EN 14323 +/- 5 mm
PLANARITY (Both sides melamine faced, ≥15mm)	EN 14323	≤ 2 mm/m
FORMALDEHYDE RELEASE	EN ISO 12460-3	≤ 3,5 mg/(m ² h), Class E1 (EN 13986)
	EN ISO 16516	< 0,1 ppm, Class E1 (BAnz 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 fibers	79-89 %			
	Adesivo	Urea – formaldehyde glue	7 – 10 %			
	Additivi	Ammonium sulphate	0,2 %			
Paraffin		Traces				
DENSITY	EN 323	600 – 850 Kg/m ³				
MOISTURE CONTENT	EN 322	4 – 11 %				
NOMINAL VALUES BY THICKNESS GROUP		>6mm ≤9mm	>9mm ≤12mm	>12mm ≤19mm	>19mm ≤30mm	>30mm
BENDING STRENGTH [N/mm ²]	EN 310	> 23	> 22	> 20	> 18	> 15
ELASTICITY MODULUS [N/mm ²]	EN 310	> 2700	> 2500	> 2200	> 2100	> 1900
INTERNAL BONDING [N/mm ²]	EN 319	> 0,65	> 0,60	> 0,55	> 0,55	> 0,50
THICKNESS SWELLING, 24h [%]	EN 317	< 17	< 15	< 12	< 10	< 8

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ON REQUEST

MELAMINE FACED WATER RESISTANT MDF PANEL

Same properties as the standard panel, but with water resistance:

NOMINAL VALUES BY THICKNESS GROUP		>6mm ≤9mm	>9mm ≤12mm	>12mm ≤19mm	>19mm ≤25mm
RIGONFIAMENTO SPESSORE, 24 h [%]	EN 317	< 12	< 10	< 8	< 7
SWELLING IN THICKNESS AFTER CYCLIC TEST OPT. 1 [%]	EN 321	< 19	< 16	< 15	< 15
INTERNAL BOND AFTER CYCLIC TEST OPT. 1 [N/mm ²]	EN 321	> 0,30	> 0,25	> 0,20	> 0,15

FIRE RESISTANT MELAMINE FACED MDF PANEL

B-s1, d0 EN 13986 EN13501-1

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/>