

mogno

MDF Ultra and BP-Coated

MDF Ultra is a medium-density fiberboard panel made from reforested wood fibers with moisture resistance (MR), widely used in furniture and interior design. Its homogeneous, smooth and uniform surface delivers an excellent finish and outstanding screw-holding, and it is versatile for painting, laminating and custom finishes.

Easy to cut, machine and profile, it offers good mechanical strength and high dimensional stability in a range of thicknesses — ideal for custom projects and for the sophisticated, detailed finishes that personalize furniture and interiors.

MDF Ultra BP is Ultra MDF faced with decorative low-pressure (BP) laminate in a wide range of woodgrains, fabrics and modern textures, ready to use. It offers enhanced resistance to scratches and stains, making it ideal for residential and commercial furniture and planned interiors, including areas with higher humidity. Easy to clean and maintain, with low formaldehyde emission (E1 class).

	PROPERTY	UNIT	3 mm	4 mm	6 mm	9 mm	12 mm	15 mm	18 mm	25 mm	30.5 mm
RAW PANEL	**Density**	kg/m³	860 ±50	840 ±50	850 ±30	740 ±20	700 ±20	700 ±20	700 ±20	690 ±20	680 ±20
	Perpendicular tensile strength (min. avg.)	N/mm²	0.70	0.70	0.70	0.80	0.80	0.75	0.75	0.75	0.70
	Flexural strength (min. avg.)	N/mm²	27	27	27	27	26	24	24	22	17
	Modulus of elasticity (min. avg.)	N/mm²	2,700	2,700	2,700	2,700	2,500	2,400	2,400	2,300	2,200
	Perp. tensile strength, cyclic test (min. avg.)	N/mm²	0.35	0.35	0.35	0.30	0.25	0.20	0.20	0.15	0.10
	24-hour swelling (max. avg.)	%	30	30	18	12	10	8	8	7	7
	Swelling, cyclic test (max. avg.)	%	40	40	25	19	15	15	15	15	15
	Residual moisture (avg.)	%	4–11								
	Formaldehyde emission – E1	mg/100 g	≤ 8								
	Thickness variation (max.)	mm	±0.2	±0.2	±0.2	±0.2	±0.2	±0.3	±0.3	±0.3	±0.3
	Length and width (max.)	mm/m	±2.0 (max. 5.0 mm)								
	Squareness (max.)	mm/m	2								
	Straightness (max.)	mm/m	1.5								

BP-COATED	**Gloss** (average)	GU	4–82 (according to surface texture)
	High-temperature resistance (min. avg.)	Class	Moderate effect
	Abrasion resistance – solid colour (min. avg.)	Cycles	Min. 300
	Abrasion resistance – woodgrain (min. avg.)	Cycles	Min. 70
	Impact resistance – crack (min. avg.)	mm	Min. 400
	Stain resistance (min. avg.)	Class	3 – Light effect
	Formaldehyde emission – E1	mg/m²h	≤ 3.5 (gas analysis method – both faces coated)

Comfort & well-being

Proven technology

Easy to clean

Sustainable

Antibacterial, antifungal & antiviral

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