

MDF (MADEFIBRA) is a medium-density fiberboard panel manufactured from reforested wood fibers, widely used in the furniture and interior design industries. It features a homogeneous, smooth, and uniform surface, providing excellent finishing performance for different applications, as well as outstanding surface screw-holding capability. It is versatile for painting, laminating, and customized finishes.

Easy to cut, machine, and profile, it offers good mechanical strength, high dimensional stability, and is available in a variety of thicknesses, making it ideal for custom-made projects. It enables sophisticated and detailed finishes, contributing to the personalization of furniture and interior spaces.

MDF (MADEFIBRA) BP is a coated MDF panel finished with decorative laminated surfaces available in a wide range of woodgrain patterns, fabrics, and modern textures, offering practicality and ready-to-use aesthetics. It provides enhanced surface resistance against scratches and stains, making it ideal for residential and corporate furniture, as well as planned interior environments. Easy to clean and maintain.

	VARIABLES		TECHNOLOGICAL PROPERTIES									
RAW PANEL	NOMINAL THICKNESS (e)	mm	1,8 - 2,5	>2,5 - 4,0	>4,0 - 5,4	>5,4 - 6,0	>6,0 - 8,0	>8,0 - 9,0	>9,0 - 12,0	>12,0 - 19,0	>19,0 - 30,0	>30,0 - 45,0
	DENSITY	kg/m3	845	835	795	805	785	720	680	680	680	670
	PERPENDICULAR TENSILE STRENGTH (Min. Avg.)	N/mm²	0,65	0,65	0,65	0,65	0,65	0,65	0,60	0,55	0,55	0,50
	FLEXURAL STRENGTH (Min. Avg.)	N/mm²	23	23	23	23	23	23	22	20	18	17
	MODULUS OF ELASTICITY (Min. Avg.)	N/mm²	-	-	2.700	2.700	2.700	2.700	2.500	2.200	2.100	1.900
	24H SWELLING (Max. Avg.)	%	50	40	30	30	17	17	15	15	10	8
	TOLERANCE ON NOMINAL DENSITY (Avg.)	%	6	6	6	6	3	3	3	3	3	3
	RESIDUAL MOISTURE (Avg.)	%	4-11	4-11	4-11	4-11	4-11	4-11	4-11	4-11	4-11	4-11
	FORMALDEHYDE EMISSION - E1	mg/100g	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
	FORMALDEHYDE EMISSION - CARB/EPA	ppm	< 0.13	< 0.13	< 0.13	< 0.13	< 0.13	< 0.11	< 0.11	< 0.11	< 0.11	< 0.11
	THICKNESS VARIATION (Max.)	mm	± 0,2	± 0,2	± 0,2	± 0,2	± 0,2	± 0,2	± 0,3	± 0,3	± 0,3	± 0,3
	LENGHT AND WIDTH (Max.)	mm/m	± 2,0, Máx. 5,0mm	± 2,0, Máx. 5,0mm	± 2,0, Máx. 5,0mm	± 2,0, Máx. 5,0mm	± 2,0, Máx. 5,0mm	± 2,0, Máx. 5,0mm	± 2,0, Máx. 5,0mm	± 2,0, Máx. 5,0mm	± 2,0, Máx. 5,0mm	± 2,0, Máx. 5,0mm
	SQUARENESS - (Max.)	mm/m	≤ 2,0	≤ 2,0	≤ 2,0	≤ 2,0	≤ 2,0	≤ 2,0	≤ 2,0	≤ 2,0	≤ 2,0	≤ 2,0
	STRAIGHTNESS - (Max.)	mm/m	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5
BP - COATED	GLOSS - AVERAGE	(UB)	ACCORDING TO THE TEXTURE PREVIOUSLY APPROVED BY THE CUSTOMER									
	HIGH TEMPERATURE RESISTANCE (Min. Avg.)	Classe	MODERATE EFFECT									
	ABRASION RESISTANCE - SOLID COLOR (Min. Avg.)	Ciclos	-	-	-	300	300	300	300	300	300	300
	ABRASION RESISTANCE - WOODGRAIN (Min. Avg.)	Ciclos	-	-	-	70	70	70	70	70	70	70
	IMPACT RESISTANCE - CRACK (Min. Avg.)	mm	-	-	-	400	400	400	400	400	400	400
	STAIN RESISTANCE (Min. Avg.)	Classe	3 - LIGHT EFFECT									
	FORMALDEHYDE EMISSION - E1	mg/m²h	≤ 3,5 (GAS ANALYSIS METHOD - PRODUCT WITH BOTH SIDES COATED)									