

duratex

MDP and BP coated

Oasis | Essencial

MDP (MADEPAN) is an engineered wood panel produced from selected wood particles pressed in layers, with a thicker core and fine, compact, and uniform surfaces, resulting in a homogeneous and durable board. The material is easy to cut and drill, available in different thicknesses and dimensions, offers good dimensional stability, excellent surface screw-holding performance, and lightweight properties that facilitate transportation, handling, and assembly. Widely used in the furniture and woodworking industries for the manufacturing of residential and corporate furniture, countertops, cabinet sides, internal partitions, and shelves, it can receive different types of coatings and finishes such as paint, natural veneer, and laminate.

MDP (MADEPAN) BP is a coated MDP 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. Products with low formaldehyde emission (E1 Class), promoting safety and health care.

	VARIABLES		TECHNOLOGICAL PROPERTIES								
RAW PANEL	NOMINAL THICKNESS (e)	mm	9,0 - 10,0	>10,0 - 12,7	>13 - 18,0	>18,0 - 20,0	22	25	28	30,0 - 32,0	36
	DENSITY	kg/m3	670	620	610	600	595	595	595	580	575
	PERPENDICULAR TENSILE STRENGTH (Min. Avg.)	N/mm²	0,40	0,40	0,35	0,35	0,30	0,30	0,25	0,25	0,20
	FLEXURAL STRENGTH (Min. Avg.)	N/mm²	11	11	11	11	10,5	10,5	9,5	9,5	8,5
	MODULUS OF ELASTICITY (Min. Avg.)	N/mm²	1.800	1.800	1.600	1.600	1.500	1.500	1.350	1.350	1.200
	SURFACE TENSILE STRENGHT (Min. Avg.)	N/mm²	1	1	1	1	1	1	1	1	1
	24H SWELLING (Max. Avg.)	%	22	22	22	22	18	18	18	18	16
	TOLERANCE ON NOMINAL DENSITY (Avg.)	%	6	6	6	6	3	3	3	3	3
	RESIDUAL MOISTURE (Avg.)	%	5-13	5-13	5-13	5-13	5-13	5-13	5-13	5-13	5-13
	FORMALDEHYDE EMISSION - E1	mg/100g	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8	≤ 8
	FORMALDEHYDE EMISSION - CARB/EPA	ppm	0,09	0,09	0,09	0,09	0,09	0,09	0,09	0,09	0,09
	THICKNESS VARIATION (Max.)	mm	± 0,3	± 0,3	± 0,3	± 0,3	± 0,3	± 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
	SQUARENESS - (Max.)	mm/m	≤ 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
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	300	300
	ABRASION RESISTANCE - WOODGRAIN (Min. Avg.)	Ciclos	70	70	70	70	70	70	70	70	70
	IMPACT RESISTANCE - CRACK (Min. Avg.)	mm	400	400	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)								