MDF BOARDS

CLASSIC LINE

Medium density Fiberboard, bonded with low emission resins using continuous press technology to assure high physical and mechanical properties, with the best smooth and even surface for any type of overlays.

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CLASSICS LINE
Ideal for all types of projects.

MASISA
Your world, your style

CLASSIC LINE ATTRIBUTES

SOFT CUT

RESPONSIBLE PRODUCTION

MDF BOARDS

FREQUENT USES

Recommended for residential and commercial applications, used for cladding, partitions, in areas not exposed to humidity.Ideal for cabinet parts, when edges need to be machined and smooth surfaces are required.

CHARACTERISTICS

- Smooth and uniform surface, easy to paint, veneer and coat with high pressure laminates and foils.
- Wide variety of sizes and thicknesses.
- Wide versatility of applications, allowing to obtain excellent edges, with an important saving of paint and less wearing of tools.
- Uniform thinkness and density, ideal for moulding, bending, fixing, milling, and others.

PHYSICOMECHANICAL PROPERTIES

THIN MDF

PROPERTIES	REFERENCIAL METHODS	UNIT	THICKNESS			TOLERANCE
		mm	3	4	5,5	± 0,20
Density	EN 323	[kg/m^3]	820 ± 50	770 ± 40	730 ± 25	
Bending	EN 310	[N/mm^2]	45	43	40	± 10
Tensile strength	EN 319	[N/mm^2]	1,00	1,00	1,00	± 0,20
Swelling 24 hours	EN 317	[%]	Máx. 37	Máx. 35	Máx. 30	-
Humidity	EN 322	[%]	8	8	8	± 3

* Ask for other sizes and thicknesses

MAIN USE: Manufacture of commercial and residential interior doors.

MDF LIGHT

PROPERTIES	REFERENCIAL METHODS	UNIT	VALUES							TOLERANCE
Thickness		mm	9	12	15	18	20	25	30	± 0,20
Density	EN 323	[kg/m^3]	640	620	620	620	620	620	620	± 25
Bending	EN 310	[N/mm^2]	29	28	28	28	27	27	23	± 5
Tensile strength	EN 319	[N/mm^2]	0,7	0,7	0,7	0,7	0,7	0,7	0,7	± 0,15
Screw Edge Withdrawal	EN 320	[N]	N/A	N/A	Mín. 700	Mín. 700	Mín. 700	Mín. 700	Mín. 700	-
Swelling 24 hours	EN 317	[%]	Máx. 20	Máx. 15	Máx. 12	Máx. 10	Máx. 10	Máx. 10	Máx. 8	-
Humidity	EN 322	[%]	8	8	8	8	8	8	8	± 3

* Ask for other sizes and thicknesses

MAIN USE: For all types of gabinet parts and pieces, as well as wall and interior partition cladding.

PHYSICOMECHANICAL PROPERTIES

ULTRALIGHT MDF*

PROPERTIES	REFERENCIAL METHODS	UNIT	VALUES								TOLERANCE
Thickness		**mm**	**14***	**15***	**16***	**18***	**20***	**22***	**25***	**30***	**± 0,20**
Density	EN 323	[kg/m^3]	515	515	515	515	515	515	515	515	± 20
Bending	EN 310	[N/mm^2]	22	22	22	20	20	19	19**	18**	± 4
Tensile strength	EN 319	[N/mm^2]	0,55	0,55	0,55	0,55	0,55	0,55	0,55	0,55	± 0,15
Screw edge withdrawal	EN 320	[N]	N/A	N/A	Mín. 550	Mín. 550	Mín. 550	Mín. 550	Mín. 550	Mín. 550	-
Swelling 24 hours	EN 317	[%]	Máx. 15	Máx. 12	Máx. 12	Máx. 10	Máx. 10	Máx. 10	Máx. 10	Máx. 10	-
Humidity	EN 322	[%]	8	8	8	8	8	8	8	8	± 3

* Ask for other sizes and thicknesses

MAIN USE: Manufacture of moldings and decorative elements not exposed to high physical and mechanical stresses. * On request

COMPACT MDF

PROPERTIES	REFERENCIAL METHODS	UNIT	VALUES		TOLERANCE
Thickness		**mm**	**15**	**18**	**± 0,20**
Density	EN 323	[kg/m^3]	740	730	± 20
Bending	EN 310	[N/mm^2]	30	30	± 5
Tensile strength	EN 319	[N/mm^2]	0,75	0,75	± 0,10
Screw edge withdrawal	EN 320	[N]	Mín. 1000	Mín. 1000	-
Swelling 24 hours	EN 317	[%]	Máx. 12	Máx. 12	-
Humidity	EN 322	[%]	8	8	± 3

* Ask for other sizes and thicknesses

MAIN USE: Products where a high surface finish is required during processing, for example CNC cutting.

RECOMMENDATIONS FOR USE

- Tungsten carbide tipped saws are recommended. When any type of overlay is applied, a scoring saw needs to be added.
Always follow the cutting tool manufacturer instructions, in regards to rotational and feed speeds.

- The product is designed for indoor use in a dry environment (21 °C and 65% relative humidity).

- The board should be handled in clean environments, avoiding scratches on the surface.

- For doors over 1.20 m long, 18 mm thick boards should be used.

- New construction, all MDF products need to be stored inside the construction site after all doors and windows are installed, and walls are painted and dry, avoiding any exposure to high humidity environments.

RECOMMENDATIONS FOR STORAGE

- The boards should be stored horizontally on a flat surface.

- The cuttings, should be stored perfectly horizontal and protected from environmental humidity.

- The product should be protected from direct sunlight to avoid discoloration. Product is design for normal residential use, in which the rooms have at least partial protection from the direct effect of sunlight.

The images in this document are merely illustrative and / or referential, so they may not accurately represent reality.
Boards for general use in dry environment. Dry environment: Environment at 20 °C and relative humidity that only exceeds 65% a few weeks a year and never exceeds 85%.
The specified tolerances have a statistical confidence of 95%.
This product may modify its physical-chemical characteristics or suffer damage if it is not stored, stored or used in the manner indicated in the Masisa website section Practical Recommendations. Masisa reserves the right to modify the properties of this product without prior notice.

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