



MDF Ultra Light

Product class

UL2-MDF

Standard reference

EN 622-5

Producer

SPANOLUX

Solution



Scope

High quality ultra-light MDF board for non load-bearing applications in dry conditions, in particular for interior decoration and furniture production.

Description

Low-density MDF, 450 to 550 kg/m³, with hard and smooth sanded, fine surface. Suitable for interior decoration and thermal insulation. Can be refined with paper or laminate. Ultralight MDF is made of 100% softwood and has no coarse fibres in the surface. The board is very easy to mill and has sufficient screw strength. The board belongs to formaldehyde class E1.

Use of the product

The board must be applied in service class 1 (restrictions in temperature and ambient humidity) and can only be used in biological hazard class 1 of EN 335-3. The boards must be protected from any direct contact with water. They must be stacked flat, on a pallet or using a sufficient number of cross members. Boards should not be stored vertically, unless ground contact can be avoided. The board will expand or shrink under variable humidity conditions. Use suitable sawing, milling and drilling tools.

Dimensions and stock range

Thickness: 12 to 38 mm. Max. width and length: 244 - 255 to 630 cm length. Spanolux has high-capacity saws that support all sawing dimensions. In principle, all thicknesses and lengths/widths are available within the press capabilities. Contact our agent or mail to sales@spanolux.be.

Stock range

Dimensions Ultralight MDF	Quantiteis per pack							
Thickness	12	15	16	18	19	25	30	38
122x244	60	50		40		28	24	20

122x305	60	50		40		28	24	20
220x366		30	28		24	18	15	

Technical specifications

General characteristics + standard	Unit	Average values							
Thickness EN 324-1	mm	12	15	16	18	19	25	30	38
Density EN 323	Kg/m ³	530	500	500	500	500	500	500	500
Moisture content EN 322	%	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10
Technical characteristics + standard		5/95 Percentile values							
Swelling/24h EN 317	%	18	14	14	14	14	13	13	12
Internal bond EN 319	N/mm ²	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,3
Bending strength EN 310	N/mm ²	18	16	16	16	16	14	14	12
Modulus of elasticity EN 310	N/mm ²	1400	1300	1300	1300	1300	1200	1200	1100

General specifications

Property	Standard	Unit	Fibreboards - Specifications Part 1: General requirements	
			Nominal thickness classes (mm)	
			≤19	>19
Tolerances on nominal dimensions:				
Thickness	EN 324-1	mm	± 0,2	± 0,3
Length and width	EN 324-1	mm/m	± 2,0 mm/m, max. ± 5,0 mm	
Squareness	EN 324-2	mm/m	≤2,0 mm/m	
Edge straightness length and width	EN 324-2	mm/m	≤1,5 mm/m	
Tolerance on density within a board	EN 323	%	± 7,0	
Formaldehyde Perforator Class E1	EN 120	mg/100g	≤8	



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