

SPANOLUX

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SPECIFICATIONS

PRODUCT	PURE	DATE	16/08/2011
CE-CLASS	MDF-LA	EUROPEAN STANDARD	EN 13986

DESCRIPTION

The works will be delivered and installed with a high-density MDF (Medium Density Fibreboard), characterized by an extremely low formaldehyde emission, comparable to that of natural wood (< 2 mg/100 g dry substance). The board is free of isocyanates and phenol glues.

High-density MDF with hard, fine sanded surface and particularly screwable core, suitable for interior decoration where the emphasis is on the use of ecological products.

The MDF is made of 100% softwood, has no coarse fibres in the surface and is extremely workable, easy to mill, suitable for industrial processing for interior decoration and furniture production.

The MDF board has a MDF-LA product classification (ref. European Standard EN 622-5): requirements for load-bearing boards for use in dry conditions.

The MDF 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 manufacturer must be ISO 9001:2000, ISO 14001:2004 and OHSAS 18001:1999 certified.

FINISHING

The board is delivered smooth sanded and can be refined with paper, melamine, laminate or lacquer and be further processed to plinths, profiles, wall- and ceiling panels, ...

STANDARD DIMENSIONS

1220x2440mm
1220x3050mm

Stocklist, other thicknesses and dimensions available on request.

PRODUCT CHARACTERISTICS

Property	Unit	Average values									
Thickness EN324-1	mm	9,0	10,0	12,0	15,0	16,0	18,0	19,0	22,0	25,0	30,0
Density EN323	Kg/m ³	750	740	730	720	720	720	720	690	690	690
Moisture content EN322	%	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10
5/95 Percentile values											
Swelling after 24h EN317	%	17,0	15,0	15,0	12,0	12,0	12,0	12,0	10,0	10,0	10,0
Internal bond EN319	N/mm ²	0,70	0,65	0,65	0,60	0,60	0,60	0,60	0,60	0,60	0,60
Bending strength EN310	N/mm ²	29	27	27	25	25	25	25	23	23	23
Modulus of elasticity EN310	N/mm ²	3000	2800	2800	2500	2500	2500	2500	2300	2300	2300

TOLERANCES

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	