

MDF Firax

Product class
FR-MDF-LA

Standard reference
EN 622-5

Producer
SPANOLUX

Solution



Scope

Fire retardant high density MDF board for use in dry conditions.

Description

High-density MDF with fine sanded surface, particularly screwable core and excellent fire retardant properties. Suitable for industrial processing for interior decoration products and furniture production. Can be refined with paper, melamine, laminate or veneer. The MDF Firax is hardly flammable (European fire classification B), has a significantly delayed combustion and does not contribute to flame spread. The board has low formaldehyde emission (E1 class) and has several national and international test reports.

Use of the product

The MDF Firax is suitable for applications where an increased fire resistance is required, such as fire doors or walls and applications where a reduced fire reaction, flame spread and smoke development are important, such as stairway halls, escape routes, lift shafts, hallways,... The board is used in particular in public buildings such as hospitals, airports, retirement homes, theatres, hotels, etc.

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.

The fire retarding products and dyes in the board may in exceptional cases affect certain glues or paints. Always perform a test before use.

Dimensions and stock range

Thickness: 6 to 30 mm. Max. width and length: 244 - 255 to 635 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 marine@weber-norge.no

Stock range

Dimensions MDF Firax	Quantities per pack										
	06	09	10	12	15	18	19	22	25	30*	
122x244	120	80		60	50	40	40	32	28	24*	
122x305	120	80		60	50	40	40	32	28	24*	
220x366			45				24		18		

(*) No certificate

Technical specifications

General characteristics + standard	Unit	Average values										
		6	9	10	12	15	16	18	19	22	25	30
Thickness EN 324-1	mm	6	9	10	12	15	16	18	19	22	25	30
Density EN 323	Kg/m ³	820	770	760	750	740	740	740	740	710	710	710
Moisture content EN 322	%	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10	6-10
Technical characteristics + standard		5/95 Percentile values										
		30	17	15	15	12	12	12	12	10	10	10
Swelling/24h EN 317	%	30	17	15	15	12	12	12	12	10	10	10
Internal bond EN 319	N/mm ²	0,7	0,7	0,65	0,65	0,6	0,6	0,6	0,6	0,6	0,6	0,6
Bending strength EN 310	N/mm ²	29	29	27	27	25	25	25	25	23	23	23
Modulus of elasticity EN 310	N/mm ²	3000	3000	2800	2800	2500	2500	2500	2500	2300	2300	2300

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	

FIRAX MDF holds the following certificates:

IMO SOLAS MED-B: FTFC part 5, IMO Res. A. 653 (16).
 European fire classification: B-s1,d0 (12 - 25 mm)
 ISIB Belgium: A1
 UK, Warrington Fire: class 1
 France, CSTB: M1
 France, CSTB melaminated 80 to 160 g/m²: M1
 Italy, Ministero del interno: Classe Prime
 Germany: B1
 Spain, Applus: M1
 USA, HPVA: A

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