



Firax®



Product class

Type FR-MDF.LA according to EN 622-5

Scope

High quality fire retardant MDF board for use in dry conditions.

Description

High-density MDF board with a hard, fine and smoothly sanded surface.

MDF Firax® has low formaldehyde emission (E1 class). Upon request, this MDF board can be supplied with PEFC, FSC or FSC Controlled Wood certificate.

MDF Firax® is hardly flammable (European fire reaction classification B), has a significantly delayed combustion and does not contribute to flame spread. For thickness from 6 to 11,9 mm, MDF Firax® is B-s2-d0 certified (EN 13501-1). For thickness from 12 to 30 mm, MDF Firax® is B-s1-d0 certified (EN 13501-1).

MDF Firax® is labelled with Ü-sign according DIN 4102 class B1.

MDF Firax® is in principle coloured red in the mass. The dye is only used for reasons of recognition. The intensiveness of the red colour might vary between different production batches and thicknesses. MDF Firax® can also be supplied uncoloured. Please contact Spanolux for further details and minimum order quantities.

Use of the product

MDF Firax® is suitable for industrial processing, interior decoration and furniture production. The board can be lacquered or finished with paper, foil, melamine, veneer or high pressure laminate.

MDF Firax® can be used in applications where MDF panels with a reduced fire reaction, flame spread and smoke development are requested (such as finishing of stairway halls, escape routes or lift shafts in public buildings such as hospitals, airports, retirement homes, theatres, hotels, etc...).

MDF Firax® can also be used as part of a building element or system that is aimed at having an increased fire resistance, such as fire doors, ceiling systems or partition walls. The fire resistance certification of such elements or buildings systems in line with local regulations is the responsibility of its producer.



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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

Thickness: 6 to 30 mm. Maximum width 255 cm. Maximum length 630 cm. Standard thicknesses and dimensions are listed in our extensive stock program. Furthermore, 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 sales team or send an e-mail to sales@spanolux.com for further details.

Technical specifications

Property	Test method	Unit	Ranges of nominal thickness (mm)				
			> 4 to 6	> 6 to 9	> 9 to 12	> 12 to 19	> 19 to 30
Swelling in thickness 24 h	EN 317	%	30	17	15	12	10
Internal bond	EN 319	N/mm ²	0,70	0,70	0,65	0,60	0,60
Bending strength	EN 310	N/mm ²	29	29	27	25	23
Modulus of elasticity in bending	EN 310	N/mm ²	3000	3000	2800	2500	2300