Fibralux® FR Uncoloured

High quality fire retardant MDF for use in dry conditions.

High-density MDF board with a hard, fine and smoothly sanded surface.
Fibralux FR Uncoloured is has low formaldehyde emission (E1 class). Moreover, Fibralux FR Uncoloured meets the requirements set by the California Air Resource Board (CARB - phase 2). According to ASTM E 1333-96, formaldehyde emission is less than 0,11 ppm, which corresponds to CARB, phase 2 as set by the ACTM. This MDF board also meets the requirements of EPA, as set by TSCA Title VI. Fibralux FR Uncoloured 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, Fibralux FR Uncoloured is B-s2-d0 certified (EN 13501-1). For thickness from 12 to 30 mm, Fibralux FR Uncoloured is B-s1-d0 certified (EN 13501-1). Fibralux FR Uncoloured is labelled with Ü-sign according DIN 4102 class B1. Fibralux FR Uncoloured can also be supplied 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.

Applications

- Interior decoration
- Furniture production
- Skirtings & profiles

Characteristics

- MDF.LA FR (EN 622-5)
- High density
- Structural applications
- Fire retardant

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Applications

Fibralux FR Uncoloured 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. Fibralux FR Uncoloured 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...).
Fibralux FR Uncoloured 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.
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.

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/mm²	0,70	0,70	0,65	0,60	0,60
Bending strength	EN 310	N/mm²	29	29	27	25	23
Modulus of elasticity in bending	EN 310	N/mm²	3000	3000	2800	2500	2300

Available dimensions and thicknesses

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, UNILIN 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 info.panels@unilin.com for further details.

Certificates

UNILIN Division Panels is actively committed to sustainable forest management.
Fibralux FR Uncoloured is available on demand with PEFC and FSC labelling.

CARB II/TSCA VI COMPLIANT

CE EN14041

ASTM E84 COMPLIANT

UNILIN, division panels
Ingelmunstersteenweg 229 – 8780 Oostrozebeke – Belgium
info.panels@unilin.com / www.unilinpanels.com

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