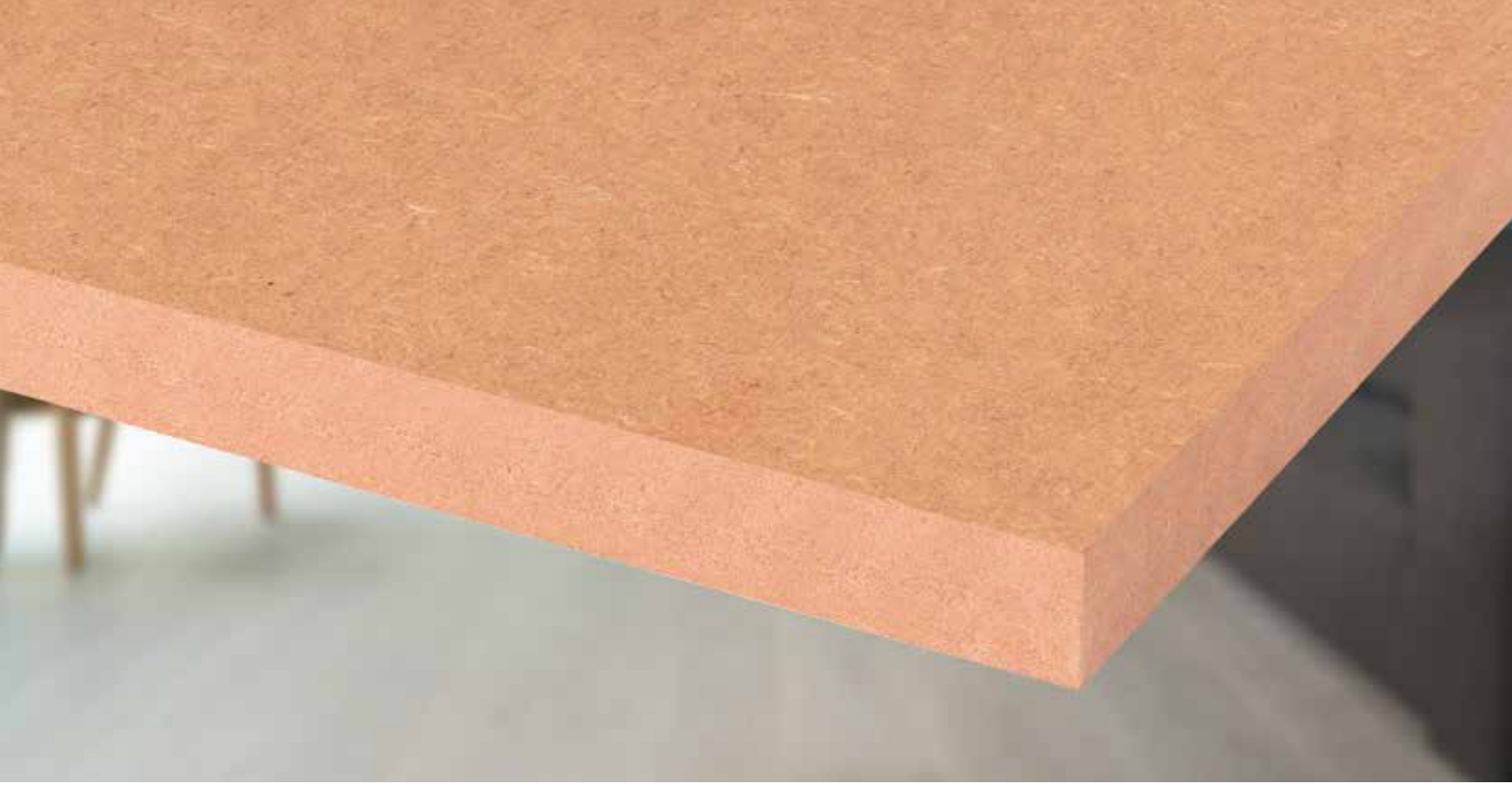


Fibrabel® FR

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

MDF board with a hard, fine and smoothly sanded surface.
Fibrabel FR has low formaldehyde emission (E1 class). Moreover, Fibrabel FR meets the requirements set by the California Air Resource Board. 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. Fibrabel FR is hardly flammable (European fire reaction classification B), has a significantly delayed combustion and does not contribute to flame spread. For thickness from 10 to 14,9 mm, Fibrabel FR is B-s2-d0 certified (EN 13501-1).
For thickness from 15 to 30 mm, Fibrabel FR is B-s1-d0 certified (EN 13501-1).
Fibrabel FR is in principal 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. Fibrabel FR can also be supplied uncoloured. Fibrabel FR Uncoloured is hardly flammable (European fire reaction classification B - ASTM E84 Class A/Class 1 rating for thicknesses from 10 to 30 mm).

Applications

- Interior decoration
- Furniture production
- Skirtings & profiles

Characteristics

- L-MDF FR (EN 622-5)
- Fire retardant



UNILIN

Fibrabel® FR

Applications

Fibrabel FR 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. Fibrabel FR 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...).
Fibrabel FR 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.

Technical specifications

Property	Test method	Unit	Ranges of nominal thickness (mm)		
			> 9 to 12	> 12 to 19	> 19 to 30
Swelling in thickness 24 h	EN 317	%	16	14	12
Internal bond	EN 319	N/mm²	0,45	0,45	0,45
Bending strength	EN 310	N/mm²	20	18	15
Modulus of elasticity in bending	EN 310	N/mm²	1700	1600	1500

Available dimensions and thicknesses

Thickness: 12 to 25 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.
Fibrabel FR is available on demand with PEFC and FSC labelling.

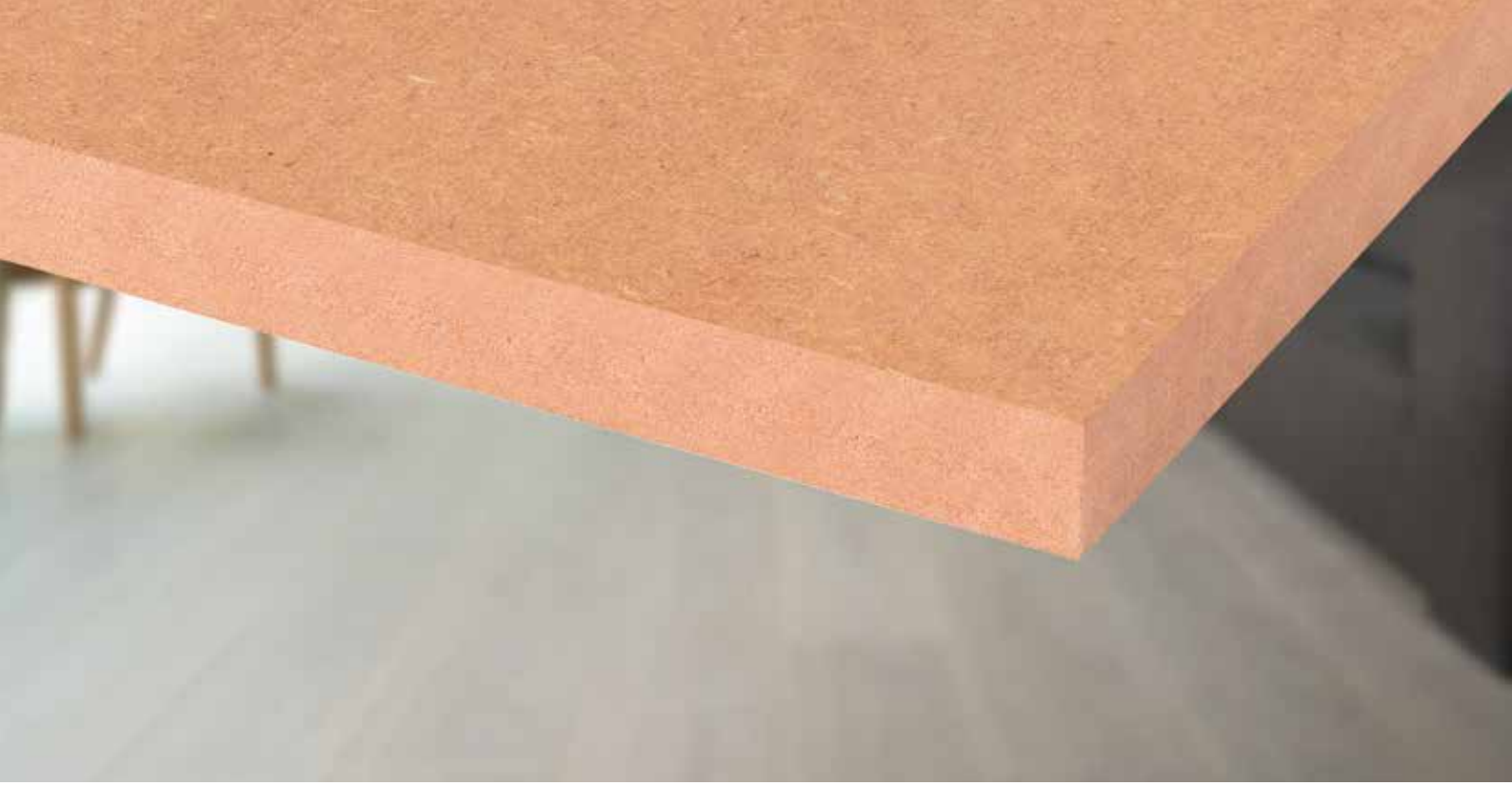
CARB II/TSCA VI COMPLIANT

CE EN14041

ASTM E84 COMPLIANT

UNILIN, division panels
Ingelmunstersteenweg 229 – 8780 Oostrozebeke – Belgium
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01.04.2019



USA

Fibrabel® FR

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

Lightweight MDF board with a hard, fine and smoothly sanded surface. Fibrabel FR has low formaldehyde emission (E1 class). Moreover, Fibrabel FR meets the requirements set by the California Air Resource Board. 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.
MDF Fibrabel FR also meets the requirements of EPA, as set by TSCA, Title VI. MDF Fibrabel FR is hardly flammable, has a significantly delayed combustion and does not contribute to flame spread. For thickness from 15/32" - 19/32", MDF Fibrabel FR is B-s2-d0 certified (EN 13501-1). For thickness from 19/32" - 63/64", MDF Fibrabel FR is B-s1-d0 certified (EN 13501-1). Fibrabel FR meets the requirements of ASTM E84, Class A / Class 1 for thickness from 25/64" to 1 3/16" mm. Fibrabel FR 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.

Applications

- Interior decoration
- Furniture production
- Mouldings & profiles

Characteristics

- L-MDF FR (EN 622-5)
- Fire retardant



UNILIN

Fibrabel® FR

Applications

Fibrabel FR 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. Fibrabel FR 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...). Fibrabel FR 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.

Technical specifications

Property	Test method	Unit	Ranges of nominal thickness (in)		
			> 23/64 - 15/32	> 15/32 - 3/4	> 3/4 - 1 3/16
Swelling in thickness 24 h	EN 317	%	16	14	12
Internal bond	EN 319	psi	65	65	65
Bending strength	EN 310	psi	2 900	2 610	2 175
Modulus of elasticity in bending	EN 310	psi	247 000	232 000	218 000

Available dimensions and thicknesses

Thickness: 25/64" - 1 3/16". Maximum width 8.2 ft, maximum length 20 ft.
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.
Fibrabel FR is available on demand with PEFC and FSC labelling.

CARB II/TSCA VI COMPLIANT

CE EN14041

ASTM E84 COMPLIANT (CLASS A/1)

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01.04.2019