



# Fibralex<sup>®</sup> MR

High quality moisture-repellent MDF board for use in humid conditions, also suitable for construction purposes with instantaneous or short-term load duration.

High-density MDF board with a hard, fine and smoothly sanded surface. The board is subject to minimal expansion and swelling in conditions of high humidity. Fibralex MR has low formaldehyde emission (E1 class). Moreover, Fibralex MR 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. Fibralex MR is in principle coloured green in the mass. The dye is only used for reasons of recognition. The intensiveness of the green colour might vary between different production batches and thicknesses. Fibralex MR can also be supplied uncoloured.

## Applications

- Interior decoration
- Furniture production
- Skirtings & profiles

## Characteristics



MDF.HLS (EN 622-5)



High density



Structural applications



Moisture resistant



# Fibralux<sup>®</sup> MR

## Applications

Fibralux MR is suitable for interior decoration, industrial processing, and furniture production. The board can be lacquered or finished with paper, foil, melamine, veneer or high pressure laminate. Fibralux MR can also be used for load-bearing applications in humid conditions.

The board can be applied in service class 2 (restrictions in temperature and ambient humidity) and can be used in biological hazard classes 1 and 2 of EN 335-3. During and especially after installation the boards must, wherever possible, be optimally 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/shrink under variable humidity conditions, albeit to a lesser extent than MDF Fibralux, meaning that an expansion space must be provided for at all times.

Use suitable sawing, milling and drilling tools. MDF Fibralux MR can be used for structural walls, with a restriction in the load duration class. In service class 2, corrosion resistant fittings must be used, e.g., galvanised steel. Nails or screws should be kept at least 8 mm away from the edge of the board.

## 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	%	18	12	10	8	7
Internal bond	EN 319	N/mm <sup>2</sup>	0,70	0,80	0,80	0,75	0,75
Bending strength	EN 310	N/mm <sup>2</sup>	34	34	34	30	28
Modulus of elasticity in bending	EN 310	N/mm <sup>2</sup>	3000	3000	2800	2700	2600
Option 1							
Swelling in thickness after cyclic testing	EN 317	%	25	19	16	15	15
	EN 321						
Internal bond after cyclic testing	EN 319	N/mm <sup>2</sup>	0,35	0,30	0,25	0,20	0,15
	EN 321						
Option 2							
Internal bond after boil test	EN 319	N/mm <sup>2</sup>	0,20	0,15	0,15	0,12	0,12
	EN 1087-1						

## 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](mailto:info.panels@unilin.com) for further details.

## Certificates

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

CARBII/TSCAVI  
COMPLIANT

