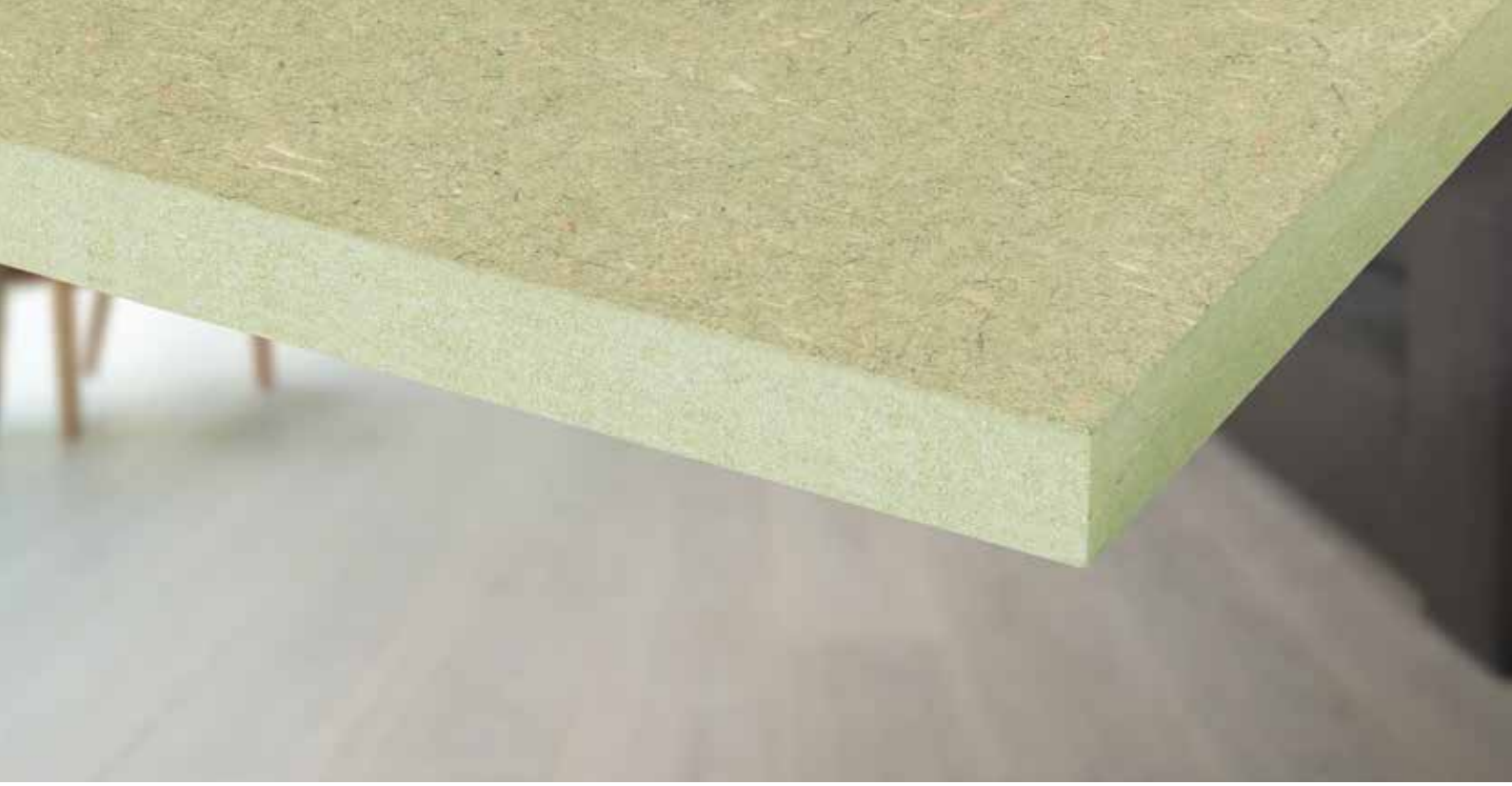

# Fibrabel® MR

## High quality moisture-repellent board for non load-bearing applications in humid conditions.

MDF board with a hard, fine and smoothly sanded surface. The board is subject to minimal expansion and swelling in conditions of high humidity and is suitable for general, non-load-bearing applications in humid conditions. Fibrabel MR is has low formaldehyde emission (E1 class). Moreover, Fibrabel 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. Fibrabel 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. Fibrabel MR can also be supplied uncoloured.

## Applications

- Interior decoration
- Furniture production
- Skirtings & profiles

## Characteristics

- L-MDF.H (EN 622-5)
- Moisture resistant


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# Fibrabel® MR

## Applications

Fibrabel 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.
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 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 or shrink under variable humidity conditions, albeit to a lesser extent than standard MDF. Consequently, an expansion space should be provided for at all times. Use suitable sawing, milling and drilling tools. Fibrabel MR can be used for walls and interior decoration. 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) | | | | |
|---|---|---|---|---|---|---|---|
| | | | > 6 to 9 | > 9 to 12 | > 12 to 19 | > 19 to 30 | > 30 to 45 |
| Swelling in thickness 24 h | EN 317 | % | 18 | 16 | 13 | 12 | 11 |
| Internal bond | EN 319 | N/mm² | 0,45 | 0,45 | 0,45 | 0,45 | 0,40 |
| Bending strength | EN 310 | N/mm² | 20 | 20 | 18 | 16 | 16 |
| Modulus of elasticity in bending | EN 310 | N/mm² | 1700 | 1700 | 1600 | 1500 | 1400 |
| Option 1 | | | | | | | |
| Swelling in thickness after cyclic testing | EN 317<br>EN 321 | % | 19 | 16 | 15 | 15 | 15 |
| Internal bond after cyclic testing | EN 319<br>EN 321 | N/mm² | 0,30 | 0,25 | 0,20 | 0,15 | 0,10 |
| Option 2 | | | | | | | |
| Internal bond after boil test | EN 319<br>EN 1087-1 | N/mm² | 0,15 | 0,15 | 0,12 | 0,12 | 0,10 |

## Available dimensions and thicknesses

Thickness: 12 to 40 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 MR is available on demand with PEFC and FSC labelling.

CARB II/TSCA VI COMPLIANT

CE EN14041

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

01.04.2019