



Fibrabel[®] FR XP

Lightweight, high quality & sustainable
MDF board for use in dry conditions.

Fibrabel FR XP is designed for areas requiring reduced fire reaction, flame spread, and smoke development. This lightweight fire-retardant MDF board offers a hard and smooth surface. While Fibrabel FR XP possesses the characteristics and advantages of a lightweight MDF board, it has a remarkably dense composition of its board surface. Consequently, the surface quality of Fibrabel FR XP consistently meets or even surpasses that of denser variants. This feature renders this light board ideal for various surface finishes such as paint, lacquer, HPL, wood veneer and more! Fibrabel FR XP meets the requirements of CARB phase 2 & EPA (TSCA Title VI). Fibrabel FR XP complies with ASTM E84 Class A & CAN/ULC S_102. Fibrabel FR XP is suited for non-load bearing applications in dry conditions, this board is uniformly red-colored throughout for easy identification.

Applications

- Wall & ceiling panels
- Partition walls
- Acoustic panels
- Furniture
- Cabinetry

Features



L-MDF FR (EN 622-5)



Fire retardant



Applications

Fibrabel FR XP 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 XP 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 XP 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 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 - 13/16 |
| Expansion 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 |

Sustainability

Fibrabel FR XP:

- is made from 100% recovered wood: wood that would have otherwise been disposed as waste or used for energy recovery. Instead, we collect and repurpose this wood as a sustainable alternative to new primary materials.
- is free from brominated flame retardants ('borates'), chlorinated paraffins, fluoride-based compounds and ortho-phthalates.
- is part of Unilin's Cradle to Cradle (Material Health) certified portfolio, highlighting our commitment to the material health of our products. The most recent certification level of Fibrabel MDF can be found on our website. The independent C2CPII has been awarded the label after a thorough assessment of our product, production process and our supplier chain.

Available dimensions and thicknesses

Standard thicknesses and dimensions are listed in our 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 XP is available on demand with PEFC and FSC labelling.



ASTM E84
COMPLIANT
(CLASS A/1)

CAN/ULC-S102
COMPLIANT