



Firax® Noir



Product class

Type FR-MDF.LA according to EN 622-5

Scope

High quality fire retardant MDF for use in dry conditions.

Description

High-density MDF board, coloured black in the mass, with a hard, fine and smoothly sanded surface.

MDF Firax® Noir has low formaldehyde emission (E1 class). Upon request, this MDF board can be supplied with PEFC, FSC or FSC Controlled Wood certificate.

MDF Firax® Noir 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, MDF Firax® Noir is B-s2-d0 certified (EN 13501-1). For thickness from 12 to 30 mm, MDF Firax® Noir is B-s1-d0 certified (EN 13501-1).

Use of the product

MDF Firax® Noir 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.

MDF Firax® Noir is very much appreciated in applications where MDF panels are perforated (e.g. acoustic ceilings or wall systems). As the boards are coloured black in the mass, the perforations or grooves are also black and give a nice contrast with the surface finishing of the panel. The same applies for the edges : further processing of the panel edges is not always necessary to have a nice esthetical finishing.

MDF Firax® Noir 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...).

MDF Firax® Noir 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.



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Firax® Noir



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.

Important remark: MDF Firax® Noir is coloured black in the mass. However, there may be colour differences between different production batches and thicknesses. It is advisable to use boards from the same production batch for each project.

Dimensions

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, Spanolux 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 sales@spanolux.com for further details.

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/mm ² | 0,70 | 0,70 | 0,65 | 0,60 | 0,60 |
| Bending strength | EN 310 | N/mm ² | 29 | 29 | 27 | 25 | 23 |
| Modulus of elasticity in bending | EN 310 | N/mm ² | 3000 | 3000 | 2800 | 2500 | 2300 |



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