



Fibralux[®] MR Black Satin

High quality moisture-repellent MDF board, for use in humid conditions.

High-density MDF board, coloured black in the mass, with a transparent satiny finishing coat on both sides. Moreover, the small wood fibres remain visible on the panel's surface, emphasizing the natural origin of the product. This finish consists of an inert, UV-hardened lacquer which does not contain any harmful substances. Each panel has a self-adhesive protective film on both sides. The boards have a particularly screwable core. The board is subject to minimal expansion and swelling in conditions of high humidity. Fibralux MR Black Satin is has low formaldehyde emission (E1 class, ChemVerbotsV compliant). Moreover, Fibralux MR Black 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.

Applications

- Interior decoration
- Furniture production

Characteristics



MDF.HLS (EN 622-5)



High density



Moisture resistant



Core coloured



Transparant Satin lacquer



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Applications

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 standard MDF, meaning that an expansion space must be provided for at all times. Use suitable sawing, milling and drilling tools.

Important remark: UNILIN core coloured MDF panels are produced according to our highest quality standards & internal specifications. However, the use of natural raw materials may result in:

- colour differences between different production batches & panel thicknesses.
- the appearance of small, non-coloured wood fibres, which is normal and a desired effect. On the panel's surface, the shape, density and size of these fibres might differ.

For each project, it is recommended to use panels from the same production batch only, and to carefully select & assess the panels prior to installation.

Cleaning & care instructions

Fibralux MR Black Satin panels do not require any special maintenance. The recommended cleaning methods are as follows:

Light/ Fresh soiling

Clean with a paper towel, a soft clean cloth (dry or damp) or a sponge. If using damp cloth, dry the surface with an absorbent paper towel or microfiber cloth.

Normal soiling - Extended contact time

Clean with warm water, a clean microfiber cloth, a soft sponge or soft brush. Take care that the use of water during cleaning is not too generous.

Use normal domestic cleaners or soaps that have no abrasive ingredients. The cleaning agent should be directly spread on the dirt spot when cleaning. Then wipe with fresh water, removing all traces of cleaning agent, to prevent streaks forming. Dry the surfaces with a clean absorbent cloth or paper towel. The following cleaning agents should not be used under any circumstances:

- Scouring and abrasive agents (scourings pads, steel wool)
- Polish, washing powders, furniture cleaner, bleach
- Detergents with strong acids and salts
- Steam cleaning equipment.

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 ²	0,70	0,80	0,80	0,75	0,75
Bending strength	EN 310	N/mm ²	34	34	32	30	28
Modulus of elasticity in bending	EN 310	N/mm ²	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 ²	0,35	0,30	0,25	0,20	0,15
	EN 321						
Option 2							
Internal bond after boil test	EN 319	N/mm ²	0,20	0,15	0,15	0,12	0,12
	EN 1087-1						

Available dimensions and thicknesses

Thickness: 18 & 19 mm. Max. width 122 cm; max length 305 cm.

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. Fibrilux MR Black Satin is available on demand with PEFC and FSC labelling.

CARBII/TSCAVI
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CHEMVERBODTSV
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