



Fibrалux[®] MR Black Gloss







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

High-density MDF board, coloured black in the mass, with a transparent glossy finishing coat on both sides. This finish consists of an inert, UV-hardened lacquer which does not contain any harmful substances. This lacquer is resistant against a number of chemicals (DIN 68861-1, Class C) and does not contain any harmful components (in compliance with EN71-3 with regard to safety for children's toys). 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. Fibrалux MR Black Gloss is has low formaldehyde emission (E1 class). Moreover, Fibrалux 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
-  Structural applications
-  Moisture resistant
-  Core coloured
-  Transparant gloss 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.

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 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.

Fibralux MR Black Gloss is available on demand with PEFC and FSC labelling.

CARB II/TSCA VI
COMPLIANT

