



Umidax® Noir Brillant



Product class

Type MDF-HLS according to EN 622-5

Scope

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

Description

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.

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

Use of the product

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 : MDF Umidax® Noir Brillant 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: 18 mm. Max. width 122 cm; max length 305 cm.

For other sizes, please contact our sales team or send an e-mail to sales.spanolux@unilin.com.





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 EN 321	%	25	19	16	15	15
Internal bond after cyclic testing	EN 319 EN 321	N/mm ²	0,35	0,30	0,25	0,20	0,15
Option 2							
Internal bond after boil test	EN 319 EN 1087-1	N/mm ²	0,20	0,15	0,15	0,12	0,12