

## INNOVUS COLOURED MDF DEEP BLACK

Coloured MDF for use in dry conditions

### DESCRIPTION

INNOVUS COLOURED MDF DEEP BLACK is a robust and organic through-dyed MDF, easy to mill. The pigments used in INNOVUS COLOURED MDF DEEP BLACK are introduced in an early stage of production process, where the wood fibres are carefully prepared, giving to the finished board an impressive consistency and durability of colour, resistant to light exposure.

INNOVUS COLOURED MDF DEEP BLACK has low formaldehyde emission, is certified according to the rules of the official California Air Resource Board (CARB) and compliant with limit of ChemVerbotsV (E05).

Regarding reaction to fire and according to EN 13986, INNOVUS COLOURED MDF DEEP BLACK, with a thickness  $\geq 9$  mm and a minimum density of 600 Kg/m<sup>3</sup>, is classified as D-s2, d0 (Euroclasses definition by EN 13501-1).

In addition to technical performance INNOVUS COLOURED MDF DEEP BLACK panels are sustainable and environmental friendly products.

**Please check offer & service brochure for information on sizes and thicknesses available.**

### APPLICATIONS

INNOVUS COLOURED MDF DEEP BLACK is a very versatile product thus being an ideal material for designers and manufacturers, for furniture, interior design, shop fitting, milled decorative elements, wall cladding, and other creative interior applications.

Product technical characteristics make it suitable for the production of three-dimensional structures. After cutting, sanding or milling, colour will continue to shine through and surface remains stable and smooth allowing subsequent lacquering or coating.

### RECOMMENDATIONS

Boards must be stacked on a hard, level surface and protected from direct contact with water. Expansion and contraction in wood products is directly related to moisture content and must be considered during design and construction.

INNOVUS COLOURED MDF are produced with lightfast/UV stable pigments and pigment preparations, but they should not, however, be exposed to direct and permanent sunlight to avoid discolouration. The use of an UV stable finishing as well as an additional UV catcher in the varnish system is recommended. Colour variations may occur between different production batches, therefore it is recommended not to mix production batches.

Wood based panels are biodegradable and can be recycled, follow local regulation for the disposal of residues.

### PROPERTIES



LIGHT RESISTANT



PERFECT LACQUERING



VERSATILITY



EASY TO MILL



EPA TSCA TITLE VI & CARB 2 CERTIFIED



COMPLIANT WITH CHEMVERBOTSV (E05)



FURNITURE



PANELING



OFFICES & EDUCATION



RESTAURANTS & HOTELS



HEALTH & WELLNESS



RETAIL & EXHIBITIONS



KITCHENS

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## GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)		
			10 – 12	>12 – 19	>19 – 25
Tolerance on thickness	EN 324-1	mm	± 0,2	± 0,2	± 0,3
Tolerance on length and width	EN 324-1	mm/m	± 2	± 2	± 2
Edge straightness tolerance	EN 324-2	mm/m	≤ 1,5	≤ 1,5	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 7	± 7	± 7
Moisture content	EN 322	%	4 - 11	4 - 11	4 - 11

## TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)		
			10 – 12	>12 – 19	>19 – 25
Density *	EN 323	Kg/m <sup>3</sup>	780	770	770
Bending strength	EN 310	N/mm <sup>2</sup>	≥ 26	≥ 24	≥ 22
Modulus of elasticity	EN 310	N/mm <sup>2</sup>	≥ 2500	≥ 2300	≥ 2200
Internal bond	EN 319	N/mm <sup>2</sup>	≥ 0,60	≥ 0,55	≥ 0,55
Thickness swelling 24 hours	EN 317	%	≤ 15	≤ 12	≤ 10

Formaldehyde emission class CARB Phase 2 / EPA TSCA \*\*

\* Value to be used only as a reference  
\*\* Compliant with limit of ChemVerbotsV (E05)

INNOVUS COLOURED MDF DEEP BLACK meets the specification of EN 622, type MDF, and is CE marked. For more information regarding the technical properties, please check the product Declaration of Performance (DoP).

## CERTIFICATIONS

Please pay attention to certified products:



The mark of  
responsible forestry  
FSC® C009049



FSC® and PEFC™ - certified products are available on request and availability.

[www.sonaearauco.com](http://www.sonaearauco.com)

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