

## INNOVUS COLOURED MDF ECOBOARD

Non added formaldehyde coloured MDF  
for use in dry conditions

### DESCRIPTION

INNOVUS COLOURED MDF ECOBOARD is a robust and organic through-dyed MDF, easy to mill. The pigments used in INNOVUS COLOURED MDF ECOBOARD 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 ECOBOARD has very low formaldehyde emission, classified according to the rules of the official California Air Resource Board (CARB NAF) and compliant with limit of ChemVerbotsV (E05).

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

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

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

### APPLICATIONS

INNOVUS COLOURED MDF ECOBOARD 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



NO-ADDED FORMALDEHYDE



COMPLIANT WITH CHEMVERBOTS V (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>	770	760	755
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>	≥ 0,65	≥ 0,60	≥ 0,55
Thickness swelling 24 hours	EN 317	%	≤ 15	≤ 12	≤ 10
Formaldehyde emission class	CARB NAF / EPA TSCA **				

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

INNOVUS COLOURED MDF ECOBOARD is produced with formaldehyde-free resin (NAF certified). The acronym NAF means „No-added formaldehyde“ and is a classification of CARB (California Air Resources Board). It is currently the most stringent standard for formaldehyde emissions in wood-based panels. The product is also compliant with US EPA TSCA TITLE VI.

INNOVUS COLOURED MDF ECOBOARD 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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Taking wood further