

INNOVUS COLOURED MDF BLACK FIRE X ECOBOARD

Non added formaldehyde coloured MDF with improved fire behaviour for use in dry conditions

DESCRIPTION

INNOVUS COLOURED MDF BLACK FIRE X ECOBOARD is a robust and organic through-dyed MDF, easy to mill. The pigments used 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 BLACK FIRE X 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 in accordance with EN 13986, INNOVUS COLOURED MDF BLACK FIRE X ECOBOARD is classified as B-s2, d0 (Euroclass definition according to EN 13501-1) and it is recommended for use in sectors with strict regulations on the fire performance of the materials used. The use of INNOVUS COLOURED MDF BLACK FIRE X ECOBOARD contributes to reduce the combustibility of an element, the spread of fire, the possible heat emissions after the combustion and to prevent or delay the spread of fire to neighbouring elements.

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

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

APPLICATIONS

INNOVUS COLOURED MDF BLACK FIRE X ECOBOARD allies the characteristics and versatility of a decorative product with technical reaction to fire performance. Is easy to mill and can be cut, sanded or routed, and the results obtained allow its colour to be appreciated from any perspective.

INNOVUS COLOURED MDF BLACK FIRE X ECOBOARD maintains its improved reaction to fire after cutting and machining. The product can be lacquered and varnished, providing it with intense colour and gloss, in a wide range of finishes, being recommended for architectural and interior design uses, as well as for contemporary furniture, decorative machined elements and wall finishes.

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. When choosing a coating system, it should be confirmed with the manufacturer that it will not adversely affect the Fire Reaction classification of the MDF panel. Additives added during the production of this product, in exceptional cases, may interfere with certain types of adhesives and lacquers, therefore a test must be carried out before its application.

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



FIRE RETARDANT



NO-ADDED FORMALDEHYDE



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 |
| Tolerance on thickness | EN 324-1 | mm | ± 0,2 | ± 0,2 |
| Tolerance on length and width | EN 324-1 | mm/m | ± 2 | ± 2 |
| Edge straightness tolerance | EN 324-2 | mm/m | ≤ 1,5 | ≤ 1,5 |
| Squareness tolerance | EN 324-2 | mm/m | ≤ 2 | ≤ 2 |
| Tolerance on mean density | EN 323 | % | ± 7 | ± 7 |
| Moisture content | EN 322 | % | 4 - 11 | 4 -11 |

TECHNICAL INFORMATION

| PROPERTY | TEST | UNIT | THICKNESS RANGE (mm) | |
|-----------------------------|--------|-------------------|----------------------|----------|
| | | | 10 - 12 | >12 - 19 |
| Density * | EN 323 | Kg/m ³ | 850 | 850 |
| Bending strength | EN 310 | N/mm ² | ≥ 22 | ≥ 20 |
| Modulus of elasticity | EN 310 | N/mm ² | ≥ 2500 | ≥ 2200 |
| Internal bond | EN 319 | N/mm ² | ≥ 0,60 | ≥ 0,55 |
| Thickness swelling 24 hours | EN 317 | % | ≤ 15 | ≤ 12 |

Formaldehyde emission class

CARB NAF / EPA TSCA **

* Value to be used only as a reference

** Compliant with limit of ChemVerbotsV (E05)

INNOVUS COLOURED MDF BLACK FIRE X 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 BLACK FIRE X 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

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Taking wood further