



CORE&TECHNICAL

Products

MDF NOVOLAC CARB2/EPA

Medium density fiberboard with optimized fiber quality for deep routing applications

DESCRIPTION

Sonae Arauco MDF NOVOLAC CARB2/EPA is a medium density fibreboard for interior use, suitable for deep routing applications.

MDF NOVOLAC CARB2/EPA has low formaldehyde emission, certified according to the rules of the official California Air Resource Board (CARB).

Regarding reaction to fire and according to EN 13986, MDF NOVOLAC CARB2/EPA, with a thickness ≥ 9 mm and a minimum density of 600 Kg/m³, is classified as D-s2, d0 (Euroclasses definition by EN 13501-1).

In addition to technical performance MDF NOVOLAC CARB2/EPA panels are sustainable and environmental friendly products.

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

APPLICATIONS

MDF NOVOLAC CARB2/EPA is ideal for designers and manufacturers to use in a wide range of interior applications including the most demanding projects, from furniture, doors and interior fittings to decoration and shop fitting, and also for wall cladding and other demanding interior applications.

MDF NOVOLAC CARB2/EPA is produced with an optimized density profile, that provides the ideal properties to be deep routed and present a surface smooth and stable after deep routing, capable of being perfectly lacquered or coated, contributing to save time and reduce costs on sanding and painting operations.

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.

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

PROPERTIES



EASY TO MILL



DEEP ROUTING



PERFECT LACQUERING



EPA TSCA TITLE VI & CARB 2 CERTIFIED



FURNITURE



RETAIL & EXHIBITIONS



OFFICES & EDUCATION



SPORTS & LEISURE



RESTAURANTS & HOTELS



HEALTH & WELLNESS



PANELING



DOORS

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)					
			4	>4 - 6	>6 - 9	>9 - 12	>12 - 19	>19 - 30
Tolerance on thickness	EN 324-1	mm	± 0,2	± 0,2	± 0,2	± 0,2	± 0,2	± 0,3
Tolerance on length and width	EN 324-1	mm/m	± 2	± 2	± 2	± 2	± 2	± 2
Edge straightness tolerance	EN 324-2	mm/m	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 7	± 7	± 7	± 7	± 7	± 7
Moisture content	EN 322	%	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)					
			4	>4 - 6	>6 - 9	>9 - 12	>12 - 19	>19 - 30
Density *	EN 323	Kg/m ³	840	820	780	770	800	730
Bending strength	EN 310	N/mm ²	≥ 23	≥ 23	≥ 23	≥ 22	≥ 20	≥ 18
Modulus of elasticity	EN 310	N/mm ²	--	≥ 2700	≥ 2700	≥ 2500	≥ 2200	≥ 2100
Internal bond	EN 319	N/mm ²	≥ 1,20	≥ 1,20	≥ 1,20	≥ 1,20	≥ 1,20	≥ 1,20
Thickness swelling 24 hours	EN 317	%	≤ 35	≤ 30	≤ 17	≤ 15	≤ 12	≤ 10
Formaldehyde emission class	CARB Phase 2 / EPA TSCA							

* Value to be used only as a reference

CERTIFICATIONS

Please pay attention to certified products:



The mark of responsible forestry
FSC® C104607



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

www.sonaearauco.com

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