

MDF STANDARD CARB2/EPA

Medium density fibreboard for general
use in dry conditions

DESCRIPTION

Sonae Arauco MDF STANDARD CARB2/EPA is a medium density fibreboard for interior use, suitable for furniture production, easy to mill and with 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 STANDARD 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 STANDARD CARB2/EPA panels are sustainable and environmental friendly products.

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

APPLICATIONS

MDF STANDARD CARB2/EPA is a versatile material and can be used as reference standard product for designers and manufacturers.

Due to the wood fibres used in its production, this product presents an homogeneous surface, providing good dimensional stability and ability to be easily machined. The density of surfaces also gives the possibility of using a wide range of finishing techniques: lacquering, coating, veneering, foil wrapping and covering. Ideal for manufacturing furniture, decoration and shop fitting, can also be used in wall cladding, doors and other interior applications.

The product must be applied in service class 1 (restrictions in temperature and ambient humidity).

PROPERTIES



VERSATILITY



EASY TO MILL



EPA TSCA TITLE VI &
CARB 2 CERTIFIED



FURNITURE



KITCHENS



OFFICES &
EDUCATION



RESTAURANTS &
HOTELS



HEALTH &
WELLNESS



RETAIL &
EXHIBITIONS



DOORS



CONSTRUCTION



PANELING

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.

ALSO AVAILABLE



FIRE RETARDANT



MOISTURE RESISTANT



COMPLIANT WITH
CHEMVERBOTS

www.sonaearauco.com

TDS.03.56.SAI.R01

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)							
			2 - 2,5	>2,5 - 4	>4 - 6	>6 - 9	>9 - 12	>12 - 19	>19 - 30	>30 - 35
Tolerance on thickness	EN 324-1	mm	± 0,2	± 0,2	± 0,2	± 0,2	± 0,2	± 0,2	± 0,3	± 0,3
Tolerance on length and width	EN 324-1	mm/m	± 2	± 2	± 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	≤ 1,5	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 7	± 7	± 7	± 7	± 7	± 7	± 7	± 7
Moisture content	EN 322	%	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)							
			2 - 2,5	>2,5 - 4	>4 - 6	>6 - 9	>9 - 12	>12 - 19	>19 - 30	>30 - 35
Density *	EN 323	Kg/m ³	860	840	820	780	770	700	680	680
Bending strength	EN 310	N/mm ²	≥ 23	≥ 23	≥ 23	≥ 23	≥ 22	≥ 20	≥ 18	≥ 17
Modulus of elasticity	EN 310	N/mm ²	--	--	≥ 2700	≥ 2700	≥ 2500	≥ 2200	≥ 2100	≥ 1900
Internal bond	EN 319	N/mm ²	≥ 0,90	≥ 0,85	≥ 0,80	≥ 0,75	≥ 0,70	≥ 0,65	≥ 0,65	≥ 0,60
Thickness swelling 24 hours	EN 317	%	≤ 45	≤ 35	≤ 30	≤ 17	≤ 15	≤ 12	≤ 10	≤ 8
Formaldehyde emission class	CARB Phase 2 / EPA TSCA									

* Value to be used only as a reference

MDF STANDARD CARB2/EPA boards meet the specifications of EN 622, type MDF, and are CE marked. For more information regarding the technical properties check the product Declaration of Performance (DoP).

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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