

CORE&TECHNICAL

Products

MDF SUPERLAC CARB2/EPA

Medium density fiberboard with optimized surface quality for direct lacquering

DESCRIPTION

Sonae Arauco MDF SUPERLAC CARB2/EPA is a medium density fibreboard for interior use, suitable for demanding finishing techniques, easy to mill and with low formaldehyde emission 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 SUPERLAC 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 SUPERLAC CARB2/EPA panels are sustainable and environmental friendly products.

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

APPLICATIONS

MDF SUPERLAC CARB2/EPA is a very versatile material ideal for designers and manufacturers to use in a wide range of interior applications. Due to the wood fibres used in its production, the product presents a homogeneous surface, giving it good dimensional stability and ability to be easily machined.

MDF SUPERLAC CARB2/EPA surface is very smooth and with high density, resulting in a product specially designed for lacquering and other demanding coatings.

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

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



COMPLIANT WITH
CHEMVERBOTSV (E05)

www.sonaearauco.com

TDS.03.32.SAI.R01

PROPERTIES



VERSATILITY



EASY TO MILL



PERFECT
LACQUERING



EPA TSCA TITLE
VI & CARB 2
CERTIFIED



FURNITURE



PANELING



OFFICES &
EDUCATION



RESTAURANTS &
HOTELS



HEALTH & WELLNESS



RETAIL &
EXHIBITIONS



DOORS

**SONAE
ARAUCO**

Taking wood further

MDF SUPERLAC CARB2/EPA

Medium density fiberboard with optimized surface quality for direct lacquering

GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)						
			2,5	>2,5 - 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	± 0,2	± 0,3
Tolerance on length and width	EN 324-1	mm/m	± 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
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 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

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)						
			2,5	>2,5 - 4	>4 - 6	>6 - 9	>9 - 12	>12 - 19	>19 - 30
Density *	EN 323	Kg/m ³	860	840	820	780	770	770	730
Bending strength	EN 310	N/mm ²	≥ 23	≥ 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	≥ 0,90	≥ 0,90	≥ 0,90	≥ 0,90	≥ 0,90	≥ 0,90	≥ 0,90
Thickness swelling 24 hours	EN 317	%	≤ 45	≤ 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.

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