

CORE&TECHNICAL

Products

MDF BASIC LSW CARB2/EPA

Medium density fiberboard with improved swelling properties

DESCRIPTION

Sonae Arauco MDF BASIC LOW SWELLING CARB2/EPA is a medium density fibreboard easy to mill, for non-structural interior applications and presents good behaviour in humid environments, with dimensional expansion and swelling inferior to the standard.

MDF BASIC LOW SWELLING 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 BASIC LOW SWELLING CARB2/EPA with a thickness ≥ 9 mm is classified as D-s2, d0 (Euroclasses definition by EN 13501-1).

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

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

APPLICATIONS

MDF BASIC LOW SWELLING CARB2/EPA is recommended for the manufacture of frames and profiles for furniture, floorings, doors and carpentry of civil construction, with requirements referring to product dimensional stability.

Due to the wood fibers used in its production, the product presents homogeneous faces, which makes it particularly suitable for surfacing, besides providing good dimensional stability and the possibility of being easily machined.

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.

Pigments added during manufacturing of this product in exceptional cases may interfere with certain types of adhesives, a test before you apply them should therefore be conducted.

www.sonaearauco.com

TDS.03.27.SAI.R02

PROPERTIES



VERSATILITY



EASY TO MILL



LOW SWELLING



EPA TSCA TITLE VI & CARB 2 CERTIFIED



KITCHENS



BATHROOMS



RESTAURANTS & HOTELS



HEALTH & WELLNESS



SPORTS & LEISURE



DOORS

**SONAE
ARAUCO**

Taking wood further

MDF BASIC LOW SWELLING

Medium density fiberboard with improved swelling properties

GENERAL CHARACTERISTICS

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

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)			
			9	>9 – 12	>12 – 19	>19 – 30
Density*	EN 323	Kg/m ³	680	680	680	680
Bending strength	EN 310	N/mm ²	≥ 27	≥ 26	≥ 24	≥ 22
Modulus of elasticity	EN 310	N/mm ²	≥ 2700	≥ 2500	≥ 2400	≥ 2300
Internal bond	EN 319	N/mm ²	≥ 1,00	≥ 1,00	≥ 1,00	≥ 0,90
Thickness swelling 24 hours	EN 317	%	≤ 12	≤ 10	≤ 8	≤ 7
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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