core&TECHNICAL
Products

MDF BASIC CARB2/TSCA

Medium density fiberboard for basic applications in dry conditions

DESCRIPTION

Sonae Arauco MDF BASIC CARB2/TSCA is a medium density fibreboard easy to mill, for non-structural interior applications, in dry conditions. MDF BASIC CARB2/TSCA has low formaldehyde emission, is certified according to the rules of the official California Air Resource Board (CARB) and compliant with limit of ChemVerbotsV (E05).

Regarding reaction to fire and according to EN 13986, MDF BASIC CARB2/TSCA, with a thickness ≥ 9 mm and a minimum density of 600 Kg/m^3, is classified as D-s2, d0 (Euroclasses definition by EN 13501-1).

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

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

PROPERTIES

- VERSATILITY
- EASY TO MILL
- EPA TSCA TITLE VI & CARB 2 CERTIFIED
- COMPLIANT WITH CHEMVERBOTSV (E05)

APPLICATIONS

MDF BASIC CARB2/TSCA is recommended for the manufacture of frames and profiles for furniture, doors, carpentry of civil construction and interior decoration.

Due to the wood fibres 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.

- FURNITURE
- PANELING
- OFFICES & EDUCATION
- RESTAURANTS & HOTELS
- HEALTH & WELLNESS
- RETAIL & EXHIBITIONS
- DOORS

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.

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)				
			6 - 9	>9 – 12	>12 – 19	>19 – 30	>30 – 40
Tolerance on thickness	EN 324-1	mm	± 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
Edge straightness tolerance	EN 324-2	mm/m	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 7	± 7	± 7	± 7	± 7
Moisture content	EN 322	%	4 - 11	4 - 11	4 - 11	4 - 11	4 - 11

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)				
			6 - 9	>9 – 12	>12 – 19	>19 – 30	>30 – 40
Density*	EN 323	Kg/m^3	710	710	700	700	700
Bending strength	EN 310	N/mm^2	≥ 22	≥ 21	≥ 19	≥ 17	≥ 14
Modulus of elasticity	EN 310	N/mm^2	≥ 2500	≥ 2300	≥ 2000	≥ 1700	≥ 1500
Internal bond	EN 319	N/mm^2	≥ 0,50	≥ 0,48	≥ 0,48	≥ 0,48	≥ 0,44
Thickness swelling 24 hours	EN 317	%	≤ 20	≤ 16	≤ 14	≤ 12	≤ 11
Formaldehyde emission class			CARB Phase 2 / EPA TSCA **				

* Value to be used only as a reference
**Compliant with limit of ChemVerbotsV (E05)

MDF BASIC CARB2/TSCA meets the specification of EN 622-5, type L-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:

FSC www.fsc.org — The mark of responsible forestry FSC® C009049

PEFC PEFC/04-32-0767 — Promoting Sustainable Forest Management — www.pefc.org

THIRD-PARTY VERIFIED EPD ISO 14025 and EN 15804 — Institut Bauen und Umwelt e.V.

CARB2 TSCA

CE

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

www.sonaearauco.com

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SONAE ARAUCO
Taking wood further