

CORE & TECHNICAL

Products

MDF POWDERLAC CARB2/TSCA

Medium density fiberboard for
powder coating applications

DESCRIPTION

Sonae Arauco MDF POWDERLAC CARB2/TSCA is a medium density fiberboard, which is formulated for further processing in powder coating applications. Its exceptionally fine fiber combined with a special formulation makes it easy to process and optimized for this application. MDF POWDERLAC CARB2/TSCA has low formaldehyde emission, is certified according to the rules of the official California Air Resources Board (CARB) and compliant with limit of ChemVerbotsV (E05).

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

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

APPLICATIONS

MDF POWDERLAC CARB2/TSCA was developed to deliver the perfect solution for powder coating applications.

Product is suitable for use in service class 1 (dry conditions).

PROPERTIES



EASY TO MILL



DEEP ROUTERING



PERFECT
LACQUERING



CARB2
TSCA
EPA TSCA TITLE VI &
CARB 2 CERTIFIED



E05
COMPLIANT WITH
CHEMVERBOTSV



FURNITURE



KITCHENS



OFFICES &
EDUCATION



RESTAURANTS &
HOTELS



HEALTH & WELLNESS



RETAIL &
EXHIBITIONS



BATHROOMS



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.

MDF POWDERLAC CARB2/TSCA

Medium density fiberboard for special powder coating applications

GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)		
			10 – 12	>12 – 19	>19 – 22
Tolerance on thickness	EN 324-1	mm	± 0,2	± 0,2	± 0,3
Tolerance on length and width	EN 324-1	mm/m	± 2	± 2	± 2
Edge straightness tolerance	EN 324-2	mm/m	≤ 1,5	≤ 1,5	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 7	± 7	± 7
Moisture Content	EN 322	%	4 - 6	4 - 6	4 - 6

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)		
			10 – 12	>12 – 19	>19 – 22
Density *	EN 323	Kg/m ³	780	780	780
Bending strength	EN 310	N/mm ²	≥ 30	≥ 28	≥ 26
Modulus of elasticity	EN 310	N/mm ²	≥ 3100	≥ 2900	≥ 2700
Internal bond	EN 319	N/mm ²	≥ 0,78	≥ 0,78	≥ 0,78
Thickness swelling 24 hours	EN 317	%	≤ 15	≤ 12	≤ 10
Formaldehyde emission class	CARB Phase 2 / EPA TSCA **				

* Value to be used only as a reference

**compliant with limit of ChemVerbotsV (E05)

CERTIFICATIONS

Please pay attention to certified products:



The mark of
responsible forestry
FSC® C009049



Promoting
Sustainable Forest
Management
www.pefc.org



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

www.sonaearauco.com

TDS.03.52.SAD.R04

All the product names and company names used in this data sheet are trade names and / or registered trademarks belonging to the respective proprietors. Any reproduction requires the express authorization of Sonae Arauco and / or the respective trademark proprietor. Sonae Arauco assumes no liability for any possible errors in this data sheet. This technical data sheet reflects the current technical specifications at the time of print and will be superseded by any new edition. The Company reserves the right to change specifications at any time without prior notification. Our detailed instructions for use must be observed. The respective building regulations must be complied with. It is important to check the material's suitability for the intended purpose.