



CORE & TECHNICAL

Products

PB FURNITURE GRADE CARB2/TSCA

Particleboard for interior fitments
and surfacing

DESCRIPTION

Sonae Arauco PB FURNITURE GRADE CARB2/TSCA is a low-density particleboard, suitable for non-structural interior applications with dry conditions. PB FURNITURE GRADE 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 PB FURNITURE GRADE CARB2/TSCA panels are sustainable and environmental friendly products.

For further information on available sizes and thicknesses, please see our Offer & Service Brochure

APPLICATIONS

PB Furniture Grade CARB2/TSCA can be processed and machined in most industrial processes of furniture manufacturing.

These panels are recommended for the production of furniture and non-structural applications where low weight is an important factor.

PB FURNITURE GRADE CARB2/TSCA 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.

PROPERTIES



VERSATILITY



EASY TO MILL



COMPLIANT WITH
CHEMVERBOTS V



EPA TSCA TITLE
VI & CARB 2
CERTIFIED



FURNITURE



RETAIL &
EXHIBITIONS



OFFICES &
EDUCATION

PB FURNITURE GRADE CARB2/TSCA

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)					
			8 - 13	>13 - 20	>20 - 25	>25 - 32	>32 - 40	>40
Tolerance on thickness	EN 324-1	mm	± 0,3	± 0,3	± 0,3	± 0,3	± 0,3	± 0,3
Tolerance on length and width	EN 324-1	mm	± 5	± 5	± 5	± 5	± 5	± 5
Edge straightness tolerance	EN 324-2	mm/m	≤ 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
Tolerance on mean density	EN 323	%	± 10	± 10	± 10	± 10	± 10	± 10
Moisture content	EN 322	%	5 - 13	5 - 13	5 - 13	5 - 13	5 - 13	5 - 13

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)					
			8 - 13	>13 - 20	>20 - 25	>25 - 32	>32 - 40	>40
Density*	EN 323	Kg/m ³	675	640	625	615	605	600
Bending strength	EN 310	N/mm ²	≥ 10	≥ 10	≥ 9	≥ 9	≥ 8,5	≥ 8,5
Modulus of elasticity	EN 310	N/mm ²	≥ 1800	≥ 1600	≥ 1500	≥ 1350	≥ 1200	≥ 1200
Internal bond	EN 319	N/mm ²	≥ 0,4	≥ 0,35	≥ 0,3	≥ 0,25	≥ 0,2	≥ 0,2
Surface soundness	EN 311	N/mm ²	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8
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



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

www.sonaearauco.com

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