



# CORE&TECHNICAL

Products

## PB P2 CARB2/TSCA

Particleboard for interior fitments and furniture for use in dry conditions

### DESCRIPTION

Sonae Arauco PB P2 CARB2/TSCA is a particleboard with a fine sanded surface suitable for coating with melamine paper and veneer or laminate.

The board is suitable for furniture production being easy to mill. PB P2 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).

Regarding reaction to fire and according to EN 13986, PB P2 CARB2/TSCA with a thickness  $\geq 9$  mm and a minimum density of 600 Kg/m<sup>3</sup>, is classified as D-s2, d0 (Euroclasses definition by EN 13501-1).

In addition to technical performance PB P2 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 P2 CARB2/TSCA can be used in all industrial processing processes for interior decoration and furniture production.

Due its surface finishing versatility, PB P2 CARB2/TSCA can be used to manufacture residential and office furniture, and decorative solutions (see our Innovus decorative products collection).

PB P2 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



EASY TO MILL



VERSATILITY



COMPLIANT WITH CHEMVERBOTS V



EPA TSCA TITLE VI & CARB 2 CERTIFIED



OFFICES & EDUCATION



SPORTS & LEISURE



RESTAURANTS & HOTELS



HEALTH & WELLNESS



FURNITURE



RETAIL & EXHIBITIONS



DOORS

## PB P2 CARB2/TSCA

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### GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)				
			8 - 13	>13 - 20	>20 - 25	>25 - 32	>32 - 40
Tolerance on thickness	EN 324-1	mm	± 0,3	± 0,3	± 0,3	± 0,3	± 0,3
Tolerance on length and width	EN 324-1	mm	± 5	± 5	± 5	± 5	± 5
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	%	± 10	± 10	± 10	± 10	± 10
Moisture content	EN 322	%	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
Density*	EN 323	Kg/m <sup>3</sup>	680	650	630	620	610
Bending strength	EN 310	N/mm <sup>2</sup>	≥ 11	≥ 11	≥ 10,5	≥ 9,5	≥ 8,5
Modulus of elasticity	EN 310	N/mm <sup>2</sup>	≥ 1800	≥ 1600	≥ 1500	≥ 1350	≥ 1200
Internal bond	EN 319	N/mm <sup>2</sup>	≥ 0,40	≥ 0,35	≥ 0,30	≥ 0,25	≥ 0,20
Surface soundness	EN 311	N/mm <sup>2</sup>	0,8	0,8	0,8	0,8	0,8
Formaldehyde emission class	CARB Phase 2 / EPA TSCA ChemVerbotsV E05						

\* Value to be used only as a reference

PB P2 CARB 2/TSCA boards meet the specifications of EN 312, type P2, and are CE marked. For more information regarding the technical properties check the product Declaration of Performance (DoP)

### CERTIFICATIONS

Please pay attention to certified products:



The mark of responsible forestry



PEFC® C099049

www.pefc.co.uk



THIRD-PARTY VERIFIED

EPD

ISO 14025 and EN 15804



Institut Bauen und Umwelt e.V.



CARB2  
TSCA



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

[www.sonaearauco.com](http://www.sonaearauco.com)

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