

PB P2

Particleboard for interior fitments and furniture for use in dry conditions

DESCRIPTION

Sonae Arauco PB P2 is a particleboard with a fine sanded surface suitable for coating with melamine paper, wood veneer or laminate. The board is suitable for furniture production being easy to mill. PB P2 panels have low formaldehyde emission (E1 Class).

Regarding reaction to fire and according to EN 13986, PB P2 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 PB P2 panels are sustainable and environmental friendly products.

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

PROPERTIES



EASY TO MILL



VERSATILITY

APPLICATIONS

PB P2 can be used in all industrial processing processes for interior decoration and furniture production

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

PB P2 must be applied in service class 1 (restrictions in temperature and ambient humidity).



OFFICE & EDUCATION



SPORTS & LEISURE



RESTAURANTS & HOTELS



HEALTH & WELLNESS



FURNITURE



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.

ALSO AVAILABLE



FIRE RETARDANT



EPA TSCA TITLE VI & CARB 2 CERTIFIED



COMPLIANT WITH CHEMVERBOTSV



NON ADDED FORMALDEHYDE

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)						
			6	>6 - 13	>13 - 20	>20 - 25	>25 - 32	>32 - 40	>40 - 45
Tolerance on thickness	EN 324-1	mm	± 0,3	± 0,3	± 0,3	± 0,3	± 0,3	± 0,3	± 0,3
Tolerance on length and width	EN 324-1	mm/m	± 5	± 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	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 10	± 10	± 10	± 10	± 10	± 10	± 10
Moisture content	EN 322	%	5 - 13	5 - 13	5 - 13	5 - 13	5 - 13	5 - 13	5 - 13

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)						
			6	>6 - 13	>13 - 20	>20 - 25	>25 - 32	>32 - 40	>40 - 45
Density *	EN 323	Kg/m ³	705	690	650	630	610	610	600
Bending strength	EN 310	N/mm ²	≥ 12	≥ 11	≥ 11	≥ 10,5	≥ 9,5	≥ 8,5	≥ 7
Modulus of elasticity	EN 310	N/mm ²	≥ 1950	≥ 1800	≥ 1600	≥ 1500	≥ 1350	≥ 1200	≥ 1050
Internal bond	EN 319	N/mm ²	≥ 0,45	≥ 0,40	≥ 0,35	≥ 0,30	≥ 0,25	≥ 0,20	≥ 0,20
Surface soundness	EN 311	N/mm ²	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8	≥ 0,8
Formaldehyde emission class			E1						

* Value to be used only as a reference

PB P2 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
FSC® C104607



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

www.sonaearauco.com

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