

PB SHUTTERING SF

Surfaced particleboard for use as concrete shuttering

DESCRIPTION

Sonae Arauco PB SHUTTERING SF is a particleboard type P3, with special surface for shuttering. It has low formaldehyde emission (E1 class) and an improved behaviour in humid conditions, with low expansion and swelling.

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

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

PROPERTIES



EASY TO MILL



MOISTURE
RESISTANT

APPLICATIONS

PB SHUTTERING SF is suitable for non-structural applications in humid conditions and can be applied in service class 2 (restrictions in temperature and ambient humidity).

PB SHUTTERING is recommended for all industrial processes of concrete shuttering.



SHUTTERING

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

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)			
			>8-13	>13-20	>20-25	>25-32
Density*	EN 323	Kg/m ³	690	690	645	625
Bending strength	EN 310	N/mm ²	≥ 15	≥ 14	≥ 12	≥ 11
Modulus of elasticity	EN 310	N/mm ²	≥ 2050	≥ 1950	≥ 1850	≥ 1700
Internal bond	EN 319	N/mm ²	≥ 0,45	≥ 0,45	≥ 0,40	≥ 0,35
Thickness swelling (24 hours)	EN 317	%	≤ 17	≤ 14	≤ 13	≤ 13
Internal bond after cyclic test	EN 321	N/mm ²	≥ 0,15	≥ 0,13	≥ 0,12	≥ 0,10
Swelling after cyclic test	EN 321	%	14	13	12	12
Formaldehyde emission class			E1			

* Value to be used only as a reference

PB SHUTTERING SF boards meet the specifications of EN 312, type P3, 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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