

PB P6 FIRE X

Heavy duty load-bearing particleboard for use in dry conditions with advanced fire behavior

DESCRIPTION

Sonae Arauco PB P6 FIRE X is a particleboard with high density and uniform sanded surface suitable for laminate. The board presents excellent mechanical characteristics and a low formaldehyde emission (E1 class).

Regarding reaction to fire and according to EN 13986, PB P6 FIRE X is classified as Bfl-s1 (Euroclasse definition by EN 13501-1).

In addition to technical performance PB P6 FIRE X panels are sustainable and environmental friendly products.

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

PROPERTIES



EASY TO MILL



FIRE RETARDANT



LOAD BEARING

APPLICATIONS

PB P6 FIRE X is indicated for load-bearing applications in dry conditions, can be applied in service class 1 (restrictions in temperature and ambient humidity).

These particleboards are suitable for use in structural floors, access flooring and other very demanding applications.

PB P6 FIRE X is recommended for utilization in applications sectors with stringent regulations regarding fire behaviour of materials used.

The use of PB P6 FIRE X contributes to reduce the combustion of an element, the heat emission after possible combustion, prevent, delay and reduce the spread of fire.



FLOORING

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.

Pigments added during manufacturing of this product in exceptional cases may interfere with certain types of adhesives, a test before you apply them should therefore be conducted

PB P6 FIRE X

Heavy duty load-bearing particleboard for use in dry conditions with advanced fire behavior

GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)	
			>28 - 32	>32 - 40
Tolerance on thickness	EN 324-1	mm	± 0,3	± 0,3
Tolerance on length and width	EN 324-1	mm/m	± 5	± 5
Edge straightness tolerance	EN 324-2	mm/m	≤ 1,5	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 10	± 10
Moisture content	EN 322	%	5 - 13	5 - 13

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)	
			>28 - 32	>32 - 40
Density *	EN 323	Kg/m ³	730	730
Bending strength	EN 310	N/mm ²	≥ 15	≥ 14
Modulus of elasticity	EN 310	N/mm ²	≥ 2400	≥ 2200
Internal bond	EN 319	N/mm ²	≥ 0,35	≥ 0,30
Thickness swelling 24 hours	EN 317	%	≤ 15	≤ 14
Formaldehyde emission class			E1	

* Value to be used only as a reference

PB P6 FIRE X boards meet the specifications of EN 312, type P6, and are CE marked. For more information regarding the technical properties check de 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

TDS.02.14.SAI.R01

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.