

HDF FLOORING ST CARB2/EPA

High density fiberboard for flooring applications

DESCRIPTION

Sonae Arauco HDF FLOORING ST CARB2/EPA is a high density fibreboard developed for the manufacture of laminated floating flooring with good behaviour in humid environments. HDF FLOORING ST CARB2/EPA has low formaldehyde emission, certified according to the rules of the official California Air Resource Board (CARB).

Regarding reaction to fire and according to EN 13986, HDF FLOORING ST CARB2/EPA, with a thickness ≥ 9 mm, is classified as D-s2, d0 (Euroclasses definition by EN 13501-1).

In addition to technical performance HDF FLOORING ST CARB2/EPA panels are sustainable and environmental friendly products.

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

APPLICATIONS

HDF FLOORING ST CARB2/EPA has excellent physical and mechanical properties, being particularly suitable for laminate floors with several surfacing types, like melamine paper, high pressure laminates, cork, PVC or wood veneer.

Due to the wood fibres used in its production, the product presents a homogeneous surface, making it particularly suitable for demanding coatings, with uniform and safe gluing, as well as good dimensional stability and ability to be easily machined.

PROPERTIES



VERSATILITY



EASY TO MILL



EPA TSCA TITLE VI &
CARB 2 CERTIFIED



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.

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)		
			6	>6 - 8	>8 - 9
Tolerance on thickness	EN 324-1	mm	± 0,2	± 0,2	± 0,2
Tolerance on length and width	EN 324-1	mm/m	± 2	± 2	± 2
Edge straightness tolerance	EN 324-2	mm/m	≤ 1,5	≤ 1,5	≤ 1,5
Squareness tolerance	EN 324-2	mm/m	≤ 2	≤ 2	≤ 2
Tolerance on mean density	EN 323	%	± 7	± 7	± 7
Moisture content	EN 322	%	4 - 11	4 - 11	4 - 11

TECHNICAL INFORMATION

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)		
			6	>6 - 8	>8 - 9
Density *	EN 323	Kg/m ³	870	870	820
Bending strength	EN 310	N/mm ²	50	50	37
Modulus of elasticity	EN 310	N/mm ²	4000	4000	2700
Internal bond	EN 319	N/mm ²	1,50	1,50	1,00
Thickness swelling 24 hours	EN 317	%	16	12	10
Formaldehyde emission class	CARB Phase 2 / EPA TSCA				

* Value to be used only as a reference

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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