HDF FLR LSW

High density fibreboard CARB,
low swelling for laminated flooring

DESCRIPTION

HDF FLR LSW is a high density fibreboard developed for the manufacture of laminated floating flooring. It exhibits good behaviour in humid environments, with expansion and swelling below standard.

Product with low formaldehyde emission, according to the rules of the official California Air Resource Board (CARB).

In addition to technical performance HDF FLR LSW panels are sustainable and environmental products.

PROPERTIES

EASY TO MILL

VERSATILITY

LOW EMISSIONS

APPLICATIONS

HDF FLR LSW has excellent physical and mechanical properties is particularly suitable for laminate floors applied in humid environments.

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.

FLOORING

CONSTRUCTION

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.

Pigments added during the production of some of these products, in exceptional cases, may interfere with certain types of adhesives and lacquers, therefore a test must be carried out before its application.

Wood based panels are biodegradable and can be recycled, follow local regulation for the disposal of residues.

SONAE ARAUCO
Taking wood further

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GENERAL CHARACTERISTICS

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)
			6 - 8
Tolerances on nominal dimensions			
Thickness	EN 324-1	mm	± 0.2
Length and width	EN 324-1	mm/m	± 2 (máx 5 mm)
Squareness	EN 324-2	mm/m	2
Moisture content	EN 322	%	4 - 11
Density variation within the board	EN 323	%	± 7

MECHANICAL PROPERTIES

PROPERTY	TEST	UNIT	THICKNESS RANGE (mm)
			6 - 8
Density *	EN 323	Kg/m^3	870 ± 30
Thickness swelling 1 hour	EN 317	%	10
Thickness swelling 24 hours	EN 317	%	12
Internal bond	EN 319	N/mm^2	1.25
Bending strength (MOR)	EN 310	N/mm^2	50
Modulus of elasticity (MOE)	EN 310	N/mm^2	4000

(*) It should be used only as a reference.

The use of HDF FLR LSW panels can contribute to as many as 3 LEED credits:

- Depending on the building project location, the product can fulfil the requirements for regional extracted and manufactured materials (confirm distance of the work to the plant) and contribute to achieve LEED credits within MR credit 5.
- The plant where material is produced have a Chain of Custody (CoC) in accordance with the principles and criteria of the Forest Stewardship Council (FSC®). The product can be supplied certified with the FSC® claim "FSC® Mix Credit" and Controlled Wood (CW), and also contribute to achieve LEED credits within MR credit 7.

ALSO AVAILABLE IN

FSC www.fsc.org — The mark of responsible forestry FSC® C013589

PEFC PEFC/13-32-002 — Promoting Sustainable Forest Management — www.pefc.org

CERTIFICATIONS

CARB2 COMPLIANT

CARB 2 & US EPA