

HDF FLOORING ST CARB2/TSCA

High density fiberboard for flooring applications

DESCRIPTION

Sonae Arauco HDF FLOORING ST CARB2/TSCA is a high density fiberboard developed for the manufacture of laminated floating flooring. HDF FLOORING ST CARB2/TSCA has low formaldehyde emission, is certified according to the rules of the official California Air Resource Board (CARB) and compliant with limit of ChemVerbotsV (E05).

Regarding reaction to fire and according to EN 13986, HDF FLOORING ST CARB2/TSCA, 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/TSCA panels are sustainable and environmental friendly products.

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

APPLICATIONS

HDF FLOORING ST CARB2/TSCA 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



COMPLIANT WITH
CHEMVERBOTSV
(E05)



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.

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GENERAL CHARACTERISTICS

| PROPERTY | TEST | UNIT | THICKNESS RANGE (mm) |
|-------------------------------|----------|------|----------------------|
| | | | 6 - 12 |
| Tolerance on thickness | EN 324-1 | mm | ± 0,2 |
| Tolerance on length and width | EN 324-1 | mm/m | ± 2 |
| Edge straightness tolerance | EN 324-2 | mm/m | ≤ 1,5 |
| Squareness tolerance | EN 324-2 | mm/m | ≤ 2 |
| Tolerance on mean density | EN 323 | % | ± 7 |
| Moisture content | EN 322 | % | 4 - 11 |

TECHNICAL INFORMATION

| PROPERTY | TEST | UNIT | THICKNESS RANGE (mm) |
|-----------------------------|--------|-------------------|---------------------------|
| | | | 6 - 12 |
| Density * | EN 323 | Kg/m ³ | 880 |
| Bending strength | EN 310 | N/mm ² | ≥ 35 |
| Modulus of elasticity | EN 310 | N/mm ² | ≥ 3500 |
| Internal bond | EN 319 | N/mm ² | ≥ 1,3 |
| Thickness swelling 24 hours | EN 317 | % | ≤12 |
| Formaldehyde emission class | | | CARB Phase 2 / EPA TSCA** |

* Value to be used only as a reference

** Compliant with limit of ChemVerbotsV (E05)

CERTIFICATIONS

Please pay attention to certified products:



The mark of
responsible forestry
FSC® C009049



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

www.sonaearauco.com

TDS.03.40.SAD.R02

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