

# CORE & TECHNICAL

Products

## MDF SUPERLAC CARB2/TSCA

Medium density fiberboard with optimized surface quality for direct lacquering

### DESCRIPTION

Sonae Arauco MDF SUPERLAC CARB2/TSCA is a Medium Density Fibreboard for interior use, suitable for demanding finishing techniques and easy to mill.

MDF SUPERLAC CARB2/TSCA has low formaldehyde emission, is certified according to the rules of the official California Air Resources Board (CARB) and compliant with limit of ChemVerbotsV (E05).

Regarding reaction to fire and according to EN 13986, MDF SUPERLAC CARB2/TSCA, with a thickness  $\geq 9$  mm and a minimum density of  $600 \text{ Kg/m}^3$ , is classified as D-s2, d0 (Euroclasses definition by EN 13501-1).

In addition to technical performance MDF SUPERLAC CARB2/TSCA panels are sustainable and environmental friendly products.

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

### APPLICATIONS

MDF SUPERLAC CARB2/TSCA is a very versatile material ideal for designers and manufacturers to use in a wide range of interior applications. Due to the wood fibres used in its production, the product presents a homogeneous surface, giving it good dimensional stability and ability to be easily machined.

MDF SUPERLAC CARB2/TSCA surface is very smooth and with high density, resulting in a product specially designed for lacquering and other demanding coatings.

### PROPERTIES



VERSATILITY



EASY TO MILL



PERFECT  
LACQUERING



EPA TSCA TITLE VI &  
CARB 2 CERTIFIED



COMPLIANT WITH  
CHEMVERBOTSV



LIVING ROOMS



BEDROOMS



OFFICES &  
EDUCATION



RESTAURANTS &  
HOTELS



HEALTH & WELLNESS



RETAIL &  
EXHIBITIONS



DOORS

### 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.

## MDF SUPERLAC CARB2/TSCA

Medium Density Fiberboard for lacquering purposes

### GENERAL CHARACTERISTICS

| PROPERTY                      | TEST     | UNIT | THICKNESS RANGE (mm) |          |          |
|-------------------------------|----------|------|----------------------|----------|----------|
|                               |          |      | 10 - 12              | >12 - 19 | >19 - 30 |
| 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) |          |          |
|-----------------------------|----------------------------|-------------------|----------------------|----------|----------|
|                             |                            |                   | 10 - 12              | >12 - 19 | >19 - 30 |
| Density *                   | EN 323                     | Kg/m <sup>3</sup> | 750                  | 735      | 735      |
| Bending strength            | EN 310                     | N/mm <sup>2</sup> | ≥ 25                 | ≥ 25     | ≥ 24     |
| Modulus of elasticity       | EN 310                     | N/mm <sup>2</sup> | ≥ 2800               | ≥ 2800   | ≥ 2600   |
| Internal bond               | EN 319                     | N/mm <sup>2</sup> | ≥ 0,65               | ≥ 0,65   | ≥ 0,60   |
| Thickness swelling 24 hours | EN 317                     | %                 | ≤ 15                 | ≤ 12     | ≤ 10     |
| 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](http://www.sonaearauco.com)

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