



by **ALNIC**



TECHNICAL DATA			
PROPERTIES	REFERENCE TEST	UNITS	18 mm
Density (*)	UNE-EN 323:1994	kg/m <sup>3</sup>	725-680
Internal bond strength	UNE-EN 319:1994	N/mm <sup>2</sup>	0.8
Swelling in water 24 H	UNE-EN 317:1994	%	1.5
Bending strength	UNE-EN 310:1994	N/mm <sup>2</sup>	20
Modulus of elasticity	UNE-EN 310:1994	N/mm <sup>2</sup>	2800
Accelerated ageing test (Option 2). Internal bond after boil test (V100)	UNE-EN 1087-1:1996 / UNE-EN 319:1994	N/mm <sup>2</sup>	0.65
Surface soundness	UNE-EN 311:2002	N/mm <sup>2</sup>	1.2
Reaction to fire	UNE-EN 13501-1:2019	Euroclass	D-s2, d0 (**)
Dimensional stability. Length/width	UNE-EN 318:2002	%	0.1
Dimensional stability. Thickness	UNE-EN 318:2002	%	1
Surface absorption (both faces)	UNE-EN 382-1:1994	mm	> 150
Moisture content	UNE-EN 322:1994	%	3 +/-2

TOLERANCE IN NOMINAL DIMENSIONS			
PROPERTIES	REFERENCE TEST	UNITS	18 mm
Thickness	UNE-EN 324-1:1994	mm	+/-0.2
Length and width	UNE-EN 324-1:1994	mm	+/- 2 mm/m, max +/- 5 mm
Squareness	UNE-EN 324-2:1994	mm/m	+/- 2
Edge straightness	UNE-EN 324-2:1994	mm/m	+/-1.5

**Notes**

(\*) This figure is considered indicative.

Product with reduced formaldehyde emission  $\leq 0.05$  ppm ( $\leq 0.062$  mg/m<sup>3</sup>) measured under European Standard UNE-EN 717-1:2006, meeting the Class E1 requirements defined in European Standard UNE-EN 622-1:2004.

This product holds NAF exemption from the California Air Resources Board (CARB2) and the US EPA TSCA Title VI.

This product is manufactured with no-added-formaldehyde (NAF) resins.

Reports and certificates relating to this product are available upon request.

**Handling / Storage Recommendations:**

Must always be stored under cover and on a flat surface.

Optimal storage conditions are 65% humidity; drier or more humid environments should be avoided.

Spacer blocks must always be vertically aligned.

Under no circumstances should boards be stacked more than 4 high.

If the packaging is damaged during handling, it must be repackaged for proper product preservation.

Failure to respect the stacking conditions indicated, as well as changes in humidity or temperature in warehouses or transformation areas, may cause irreversible deformations and warping.

The wood used in the manufacture of the Climacore® boards is a variable mix of coniferous woods that comply with the EUTR/ EUDR regulations and comes from legal sources, being controlled wood under PEFC and FSC criteria. The user/recipient entity of the product is obliged to assess the risks to workers who will process/transform them based on local legal health and safety requirements, implementing the necessary controls in order to provide adequate preventive measures: e.g., manual load handling, dust extraction in case of cutting/sanding/machining, use of personal protective equipment, etc.