

# Technical data sheet

## Atmosphere 175 cladding board

### TECHNICAL CHARACTERISTICS

<b>Composition</b>	Approx. 2/3 PEFC wood and 1/3 polyethylene (excl. additives)
<b>Board finish</b>	Co-extruded composite open rhombus board
<b>Surface density</b>	14,6 kg/m <sup>2</sup>
<b>Linear density</b>	2,56 kg/m
<b>Composite board dimensions in mm (th. x w x L)</b>	20 x 180 x 3600
<b>Working height</b>	175 mm, including 7 mm hollow joint. with clip cover in horizontal projection
<b>Tolerances</b>	Width and thickness: +/- 2 mm ; Length: +/- 5 mm
<b>Warranty</b>	25 years - Winds up to 100 km/h



### ADVANTAGES

Properties	Results	Standards
Environmental Product Declaration (EPD)	Registration number: 3-171:2019 First manufacturer to have drawn one up, in 2019, for our composite deck boards. Carbon footprint emitted (13.2 kg of CO2 per functional unit) approximately twice as less compared to other composites of German origin and 4 times less than exterior ceramic facings.	NF EN ISO 14025, NF EN 15804+A1 and NF EN 15804/CN
VOC emission	Low: A+ rating, non-toxic boards. Ideal for use in nurseries, suitable for children of all ages	EN 71-3 / ISO 16000
Moisture resistance	After immersion for 24 hours: Swelling: 0.4% Weight gain: 1.4%	EN 317
Fungal resistance	DC1 rating (very long-lasting)	EN 350
Termite resistance	"Long-lasting" rating	EN 350
Use rating	Use rating 4: EXTERIOR wood in contact with the ground or fresh water	EN 335
Wind resistance	V4 rating Up to a height of 30 m	CSTB 3517 NV65**
Shock resistance	Q4 rating (best rating)	NF P08-301 / P08-302 CSTB 3546v2 / CSTB 3534
Fire reaction	E rating	EN 13501-1
Coefficient of thermal expansion	$\alpha L < 29 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$	EN 15534 / EN 310

\*\* for cladding in mainland France (zones I, II, III), and the French Overseas Regions and Territories (IV)

### INSTALLATION CONDITIONS

#### Cleats:

- **Interval between cleats:** Max. 400 mm
- **Cleat durability:** min. use class 3b
- **Thickness:** min. 27 mm - **Width:** min. 40 mm

#### Profiles:

- **Profile overhang:** Max. 50 mm
- **Width and length expansion:**
  - **between two profiles, between a profile and a wall or a cladding accessory:** min. 5 mm

**Vertical installation:** It is imperative to double the cleats at the foot and at the top of the cladding to fix the ends of the boards with the clips

**Installation with buttings:** recommended to use the butting clips

**Cladding base:** Min. 200 mm between ground and the first board. Installing an anti-rodent grille recommended

### LAYOUT

#### For 1 m<sup>2</sup> of façade, use:

- **5,72 linear** metres of Atmosphere cladding boards
- **3 linear** metres of cleats
- **16** clips + screws

### LOGISTICAL INFORMATION

On pallets L = 3600 mm	Quantity	working m <sup>2</sup>	Net weight
<b>180 mm boards (working h=175mm)</b>	84	53	780 kg

## + POINTS

Trendy colors  
Quick to install  
Easy to maintain  
Homogeneous and permanent color  
Freedom of installation






\*warranty terms can be downloaded from silvadec.com

Quote assistance: see configurator on [Silvadec.com](https://www.silvadec.com)








## ATMOSPHERE CLADDING BOARD

Brushed finish 1 side				
		Limewash White RAL 9006	Sun Brown RAL 8025	Rio Brown RAL 8014
Atmosphere Cladding Board 20 x 180 x 3 600 mm (h= 175mm useful)	Ref.	SIBARLAM2103	SIBARLAM2102	SIBARLAM2101
Atmosphere Cladding Board 20 x 180 by metre (h= 175mm useful)	Ref.	SIBARLAM2123	SIBARLAM2122	SIBARLAM2121

## 175 CLADDING BOARD ACCESSORIES

Atmosphere Cladding Board accessories				
Powder-coated aluminium finish, Qualicoat® certified		Limewash White RAL 9006	Sun Brown RAL 8025	Rio Brown RAL 8014
End profile 124 x 31 x 2 400 mm	Ref.	SIBARFIN2103	SIBARFIN2102	SIBARFIN2101
Multifunctional corner profile 48 x 55 x 2 400 mm	Ref.	SIBARANG2103	SIBARANG2102	SIBARANG2101

Other aluminium accessories			
	Start profile 12 x 37 x 2 400 mm	Black cladding clip anodized alu + screws (x80)	Black butting clip anodized alu.+ screws (x16)
Ref.	SIBARDEB2100	SIBARCLIP2111	SIBARCLIP2112

**Compatible:**  
HQE certified worksites  
External thermal insulation  
Façade renovation

AN ENVIRONMENTALLY  
FRIENDLY  
100% RECYCLABLE  
PRODUCT\*

\*on our production site

## Practical information

- Installation instructions for louver cladding  
(ref. PU40)



- Maintenance advice

