



# ALTI-CIMES (ECOTHERMO)

THICKNESS X WIDTH FACE COVER:  
19x170 mm  
WOOD SPECIE: Larch (EcoThermo)  
BOARD: Brushed solid wood

PROFILE: Micro 2 (TG 12)  
Ref. A88



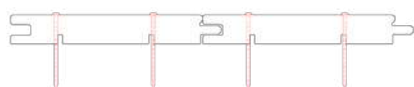
MOUNTAIN REGION

**sivalbp**<sup>®</sup>  
bois, technologie & design



- EcoThermo external cladding, environmentally friendly.
- Excellent dimensional stability and resistance over time
- The aesthetic of old wood for a rustic style
- A marked veining for cladding with character
- Possible use indoors and outdoors subject to implementation conditions

## PROFILE: MICRO 2 (TG 12) 19x175



END-MATCHED

- **Conical tongue:** better fitting and quick to install.
- **End-matched:** simplifies installation and reduces the cutting wastage.

## CHARACTERISTICS

- External EcoThermo solid wood board.
- **Micro 2 TG 12 mm** profile, traditionally used in mountain areas, **end-matched:** facilitates the fitting and reduces the cutting wastage.
- **Brushed surface:** it gives an optimal and texture surface; it brings out the natural grain of wood.
- Thermostabilised boards will clear up in the first weeks under the effect of UV and according to exposure and building's architecture. They will then evolve towards a natural graying.
- The Sivalbp-Authentic range offers a range of unfinished products: the natural wood aesthetics.

## SPECIFIC RECOMMENDATIONS

Product recommended for altitudes above 1000 m and with medium to high protection. Not suitable for architectures without eaves.



## WOOD SPECIE: LARCH (ECOTHERMO)

**Larch:** wood specie naturally 3.2 class. **PEFC (PEFC/10-31-1593) certified**, from sustainably european managed forests. It has a homogeneous grain which is slightly brighter.



- Friendly environmentally process and chemical free
- Exceptional durability and stability
- Better resistance to the weather



NFEN 14915  
All our boards are compliant with CE marking



WOOD SPECIE		THERMAL PROCESS	DURABILITY	TECHNICAL PROPERTIES		
<b>Larch</b> Geographical area: Europe Quality: A choice Very slow growth, it has a more homogeneous grain which is slightly brighter. PEFC certified		<b>Thermostabilisation</b> Ecological process, environmentally friendly and chemical free. It consists in moisturising and heating the wood to high temperature. This process gives the boards exceptional durability and stability and greatly reduces the shrinkage phenomenon. The wood acquires an even, brown colour all the way through and neutralizes resin exudation.	<b>Use class:</b> <b>3.2</b> (without sapwood) according to FD P20-651  Larch, lasting up to 50 years	<b>Behavioural fire restrictions</b>  (according to 14915 standard) EUROCLASSE D-s2, d0 for reaction to fire	<b>Thermal characteristics according to NF EN 12 524</b>  Thermal resistance R in m <sup>2</sup> . K/W: 0,17	<b>Water vapour permeability according to NF EN 12 524</b>  Water vapour resistance: 88 µ  Average density: 670 kg/m <sup>3</sup> to 12% wood moisture
<b>Carbon footprint:</b> 13.50 kg CO <sub>2</sub> eq./m <sup>2</sup> (module D excluded)*				Combustible mass in MJ/m <sup>2</sup> : 187		

\* Consult our Environmental and Health Declaration Sheets on the INIES database

MECHANICAL PROPERTIES						
Breaking stress in compression: NC* N/mm <sup>2</sup>	Breaking stress in tension: NC N/mm <sup>2</sup>	Breaking stress in shear: NC	Breaking stress in bending: NC N/mm <sup>2</sup>	Modulus of elasticity in bending: NC N/mm <sup>2</sup>	Compliant for French implementation in Q4 area (impact resistance)	
PREPARATION FINISH	SHADE	THICKNESS X WIDTH FACE COVER IN MM	BOARD	LENGTHS (M)* (according to availability)	FITTING	PACKAGING
Brushed solid wood	untreated	19x170 mm	Brushed solid wood	3.00 - 4.00 m	2 nails (find installation advice below)	Packs x boards/pack: 48x4

\*For solid wood boards with end-matched, the effective length is equal to the standard supply length invoiced minus 30 millimeters.  
NPD: not performance declared. NC: non communicated.

## INSTALLATION ADVICES



To ensure the products are correctly installed, the rules laid out in the French code of practice DTU 41.2 for external cladding, and our Technical Guide, should be observed.

- Store the boards in a dry place, sheltered from the elements and ventilated.
- Can be fitted **horizontally or vertically** (mandatory double battening for vertical installation).
- Cladding must be fixed on batten with a minimum of 27 mm thickness (32 mm for UK).
- They must be attached at a minimum of 40 cm and a maximum of 65 cm apart (60 cm for UK).
- A waterproof membrane satisfying the standard must be installed (except for walls which are already watertight, solid concrete walls).
- **Mandatory air gap** behind Sivalbp cladding to ensure a good ventilation. The air outlets must be at the base and the top of the cladding elevation.
- Ensure a minimum of 20 cm above ground clearance.
- Assembly by interlocking (end-matched on the 4 sides).
- Fastening with **stainless steel screws or stainless steel tips**, twisted or ringed – 2 nails, 1 visible nail in the upper part of the board, locked in the upper third of the board + 1 visible nail in the lower part of the board, locked at least 15 mm from the groove.
- The head of the nails or screws must not penetrate further than 1 mm into the boards.

## MAINTENANCE

- Wood is a natural and not homogeneous material which can contain some particularities. Boards contain knots of various, for the greater part healthy dimaters and members.
- Living material, maintenance free, wood without finish can in the time present molds of surface, without compromising the durability of wood.
- Regarding the sustainability of aspect, it is underlined that woden species not dressed in finish will turn natural grey over time.

## GENERAL REMARK

Wood is a natural and heterogeneous material, subject to varying degrees of dimensional variations, depending on humidity and climatic conditions. These factors can cause, among others, cracking, resin exudation, shrinkage and curling.



Find all of our **DOCUMENTATION** on our website: [sivalbp.fr](http://sivalbp.fr)



Get our installation advice in the SIVALBP **TECHNICAL GUIDE**



Download our **MAINTENANCE BOOKLET** for our maintenance recommendations

**sivalbp**<sup>®</sup>  
bois, technologie & design