SIVALBP ALTI SELECTION

EXTERNAL CLADDING MOUNTAIN CLADDING

ALTI-MONTAGNES (ECOTHERMO)

MOUNTAIN REGION

THICKNESS X WIDTH FACE COVER: 20x175 mm
WOOD SPECIE: Nordic Pine (EcoThermo)

BOARD: Rough sawn
PROFILE: Micro 2 (TG 12)
Ref. A71

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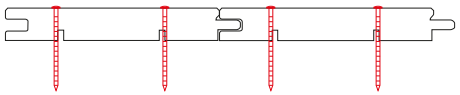
SIVALBP

- EcoThermo external cladding, environmentally friendly
- Reliefs in the blade which capture the light and reveal the details and singularities of the wood
- Suitable for indoor or outdoor installation
- Heterogeneous wood: mix the packages for an optimal harmonious result.

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.
- **Rough sawn 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-**Mountain** range offers a range of unfinished products: the natural wood aesthetics.

SPECIFIC RECOMMENDATIONS

Product not ruled bu the DTU 41.2

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



WOOD SPECIE: NORDIC PINE (ECOTHERMO)

Nordic Pine: Scandinavian timber, lasting-up to 50 years, **PEFC certified (PEFC/10-31-1593)**.
Singularities and knots: slow-growing essence; fine veining; medium knots.
Available only with our EcoThermo process.

PEFC 10-31-1593
Promoting Sustainable Forest Management
www.pefc-france.org

MADE IN FRANCE

Eco Thermo by Sivalbp

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

FDES VÉRIFIÉE inies

CE
NF EN 14915
All our boards are compliant with CE marking

ALTI-MONTAGNES

Thickness x width face cover: 20x175 mm
Rough sawn - Micro 2 - Ref. A71

WOOD SPECIE	THERMAL PROCESS	DURABILITY	TECHNICAL PROPERTIES		
Nordic Pine Geographical area: Scandinavia Quality: A/B choice NF EN 14519	**Thermostabilisation** 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.	**Use class: 3.2** (without sapwood) according to FD P20-651	**Behavioural fire restrictions**	**Thermal characteristics according to NF EN 12 524**	**Water vapour permeability according to NF EN 12 524**
PEFC certified			EUROCLASSE D-s3, d0 for reaction to fire (according to 14915+A1 : 2017 EN NF standard)	Thermal resistance R in m². K/W: 0,13	Water vapour resistance: 72 µ
Carbon footprint: 6.29 kg CO_2 eq./m² (module D excluded)* FDES VERIFIED inies		Nordic Pine, lasting up to 50 years	Combustible mass in MJ/m²: 136		Average density: 520 kg/m³ to 12% wood moisture

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

MECHANICAL PROPERTIES					
Breaking stress in compression: NC* Nm/mm²	Breaking stress in tension: NC* Nm/mm²	Breaking stress in shear: NC*	Breaking stress in bending: NC* N/nm²	Modulus of elasticity in bending: NC* N/nm²	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
Rough sawn	without finish	20x175 mm	Planed solid wood	3.60 - 3.90 - 4.20 4.50 - 4.80 & 5.10	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.

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.