SIVALBP ÉLÉGANCE

EXTERNAL CLADDING WOOD TONES SATURATORS

NORDIC SPRUCE (ECOTHERMO)

THICKNESS X WIDTH
FACE COVER: 19x180 mm
WOOD SPECIE: Nordic Spruce (EcoThermo)
BOARD: Brushed solid wood

PROFILE: Micro 2 (TG 12)
SHADE: Charvin 116
Ref. A39

MOUNTAIN REGION

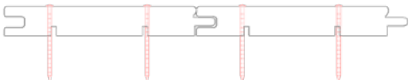
sivalbp
bois, technologie & design



SIVALBP

- EcoThermo external cladding, environmentally friendly.
- Excellent dimensional stability and durability
- Neutralizes resin pockets
- Suitable for all climatic conditions
- A non film forming finish that penetrates into the wood and does not flake over time.
- Easy maintenance, allows naturally evolving wood.

PROFILE: MICRO 2 (TG 12) 19x180





END-MATCHED

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

CHARACTERISTICS

- 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.
- Strongly brushed surface : it gives an optimal and texture surface; it brings out the natural grain and increases penetration and efficiency of the coating.
- Thermostabilised boards will clear up in the first weeks under the effect of UV and according to exposure and building's architecture.
- New generation **preservation** : **fungicide, anti-bluestain, insecticide, anti-termite**.
- Finish :
  - > **Water-based penetrating finish made with acrylic resin and natural mineral pigment** (chemical free).
  - > Industrial quality finish applied under strictly controlled factory conditions, ensuring consistent and unifrom application.
  - > Application of a finish on the reverse side ensuring a good balance of the board.
- The durability of the wood is guaranteed for 10 years with preservation.
- The Sivalbp-**Élégance** finish allows to delay the natural ageing process for minimum 3 years, according to exposure and building's architecture.

SHADE: CHARVIN 116



WOOD SPECIE: NORDIC SPRUCE (ECOTHERMO)

Nordic Spruce: Scandinavian timber, PEFC (PEFC/10-31-1593) certified, lasting up between 10 to 30 years (3.1 class). Singularities and knots: slow-growing essence; small to medium knots; clear wood.

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

Eco Thermo by Sivalbp

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

FDES VÉRIFIÉE inies

MADE IN FRANCE

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

NORDIC SPRUCE (ECOTHERMO)

Thickness x width face cover: 19x180 mm
Brushed solid wood - Micro 2 (TG 12) - Charvin 116 - Ref. A39

WOOD SPECIE	THERMAL PROCESS	DURABILITY	TECHNICAL PROPERTIES		
Nordic Spruce 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.	worth classe 3	**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 m^2. K/W: 0,12	Water vapour resistance: 66 µ
Carbon footprint: 6.29 kg CO_2 eq./m^2 (module D excluded)*		Nordic Spruce, lasting up to 50 years	Combustible mass in MJ/m^2: 164		Average density: 475 kg/m^3 to 12% wood moisture content

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

MECHANICAL PROPERTIES					
Breaking stress in compression: 45 Nm/mm^2	Breaking stress in tension: 85 N/mm^2	Breaking stress in shear: 6	Breaking stress in bending: 71 N/mm^2	Modulus of elasticity in bending: 12 100 N/mm^2	Compliant for French implementation in Q4 area (impact resistance)

PREPARATION FINISH	SHADE	THICKNESS X WIDTH FACE COVER IN MM	BOARD	LENGTHS (M)* (saccording to availability)	FITTING	PACKAGING
Brushed solid wood 1 coat of saturator by spraying on the facing 1 coat of white stain for counter-balancing	**Charvin 116**	19x180 mm	Brushed solid wood	3.90 - 4.20 - 4.50 - 4.80 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.

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.
- All the cuts must be touched up with Sivalbp-Elégance paint. We also recommend that the ends of the boards should also be treated.

MAINTENANCE

- To maintain the bright of colors, clean annually by lightly brushing the surface (avoid high pressure cleaners).
- If necessary and according to the exposure and the architecture of the building, renovation of the color is facilitated without stripping or sanding.
- As soon as necessary, apply Sivalbp Elégance saturator directly a spray or paintbrush in 1 or 2 coats to re-saturate the wood fibers.
- A sustained finish will help to preserve the cladding.
- **Contact us to ask for the Charvin 116 maintenance sheet**

GENERAL REMARK

Wood is a natural and heterogeneous material. It may have singularities such as knots, cracks, splits, resin pockets. Etc