NORDIC SPRUCE

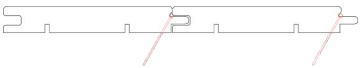
THICKNESS X WIDTH
FACE COVER: 20x185 mm
WOOD SPECIE: Nordic Spruce
BOARD: Brushed solid wood

PROFILE: Micro 2 TG 12mm
SHADE: Brushed untreated
Ref. 717

sivalbp
bois, technologie & design

Boillod construction Office (25)

PROFILE: MICRO 2 TG 12mm 20x185



- **Easy installation:** fastening primer.
- **End-matched:** simplifies installation and reduces the cutting wastage.

CHARACTERISTICS

- 12% dried solid wood board for indoor use.
- Brushed surface: it gives an optimal and texture surface; it brings out the natural grain of the wood.
- Wide boards.
- Without finishing: brushed untreated, light wood.

SIVALBP

- The aesthetics of Scandinavian and wide boards.
- Stability optimized by a kiln dired to 12%. 20 mm slat thickness.
- Easy installation: fastening primer.

SHADE: BRUSHED UNTREATED

WOOD SPECIE: NORDIC SPRUCE

Nordic Spruce: Scandinavian timber, **PEFC™ certified**. This is the material of choice in terms of quality and stability.
It is selected for its light fine grained wood, and its slow growth. It reveals small knots which are well integrated into the structure.

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

MADE IN FRANCE

Agence Félix

NORDIC SPRUCE

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WOOD SPECIE	THERMAL PROCESS	DURABILITY	TECHNICAL PROPERTIES		
Nordic Spruce Geographical area: Scandinavia Quality: US/Vth re-sorted by Sivalbp PEFC™ certified	Kiln dried to 12% (+/- 2%) guaranteeing the stability of boards	Use class: 2 (according to FD P20-651) Nordic Spruce, lasting up to 50 years	Behavioural fire restrictions EUROCLASSE D-s2, d0 for reaction to fire (according to 14915 standard) Combustible mass in MJ/m²: 156	Thermal characteristics according to NF EN 12 524 Thermal resistance R in m². K/W: 0,17	Water vapour permeability according to NF EN 12 524 Water vapour resistance: 64 µ Average density: 460 kg/m³ to 12% wood moisture content

MECHANICAL PROPERTIES					
Breaking stress in compression: 45 Nm/mm²	Breaking stress in tension: 85 Nm/mm²	Breaking stress in shear: 6	Breaking stress in bending: 71 N/nm²	Modulus of elasticity in bending: 12 000 N/mm²	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)	PACKAGING
Brushed solid wood	Brushed untreated	20x185	Brushed solid wood	4.20-4.50-4.80-5.10 m	Packs x boards/pack: 48x4 Average pallet in m² L 4.20 m: 149 m² L 5.10 m: 181 m²

*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 36.1 for internal cladding, and our Technical Guide, should be observed.

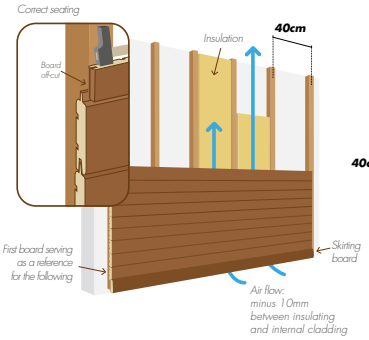
- Store the boards for a few days before installation, laid horizontally in open stacks in the room where they are to be installed.
- **Preparation:** install the internal cladding on a perfectly dry support, avoid direct contact with the floor.
- **Particular care should be taken when installing the first board, as this board serves as a reference for the following.**
- Easy installation thanks to the grooved ends.
- Solid wood boards are attached to battens fitted a maximum of 40cm apart and which allows the air to circulate.
- The purpose of the air gap thus created is to allow moisture and any steam condensation which has passed through the wall to escape. This air gap is essential in damp environments such as kitchens, bathrooms or sheltered outdoor areas. The air gap must be at least 10mm everywhere on the wall.
- Installation in damp rooms is possible if an adequate ventilation is ensured (windows, CMV,...).
- The wainscot mustn't be directly in contact with the water.
- Installation of the battens also allows thermal acoustic insulation to be inserted and wiring to be hidden if necessary (while maintaining the air gap).
- Ensure the boards are aligned and correctly slotted together.

SOME RULES FOR NAILING

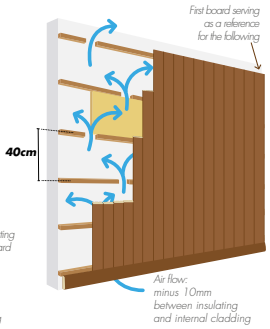
- Nail the boards on each batten.
- The nails must be at least 3.5 times longer than the thickness of the lower edge of the board.To avoid splitting, use nails with a shank less than 3.5 mm in diameter.
- Nailing at an angle improves pull-out resistance.

TYPE AND DIRECTION OF INSTALLATION

Horizontal installation



Vertical installation



Internal cladding installation

- Wainscot can be installed horizontally, vertically or obliquely, on wood walls or masonry walls.

MAINTENANCE

- Nordic Spruce wainscot does not need particular maintenance.
- Proceed to dust regularly.