



NORDIC SPRUCE

THICKNESS X WIDTH

FACE COVER: 19x180 mm -

19x205 mm

WOOD SPECIE: Nordic Spruce

BOARD: Brushed solid wood

PROFILE: Alpen

SHADE: Brushed untreated

Ref. 703 - 704

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bois, technologie & design

PROFILE: ALPEN 19x180 mm - 19x205 mm



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

CHARACTERISTICS

- Solid steamed wood board.
- **Brushed surface:** it gives an optimal and texture surface to the wood.
- Wide boards.
- Without finishing: brushed untreated, 100% natural light brown appearance.



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- The aesthetics of wide boards.
- Steaming : 100% natural process.
- Stability optimized by a kiln dried to 12%.
- Easy installation : fastening primer.

SHADE: BRUSHED UNTREATED



WOOD SPECIE: NORDIC SPRUCE

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



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



WOOD SPECIE		THERMAL PROCESS	DURABILITY	TECHNICAL PROPERTIES		
Nordic Spruce		Steaming It consists of maintaining the wood in an atmosphere below 100 °C and saturated with humidity. This process gives it a brownish color that is homogeneous throughout and retains mechanical strength. The wood is then dried to 12%.	Use class: 2 (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
Geographical area: Scandinavia Quality: A/B choice NF EN 14519				EUROCLASSE D-s3, d0 for reaction to fire (according to 14915+A1 : 2017 EN NF standard)	Thermal resistance R in m². K/W:0,12	Water vapour resistance: 66 µ
PEFC certified			Nordic Spruce, lasting up to 50 years	Combustible mass in MJ/m²: 149		Average density: 475 kg/m³ to 12% wood moisture content
MECHANICAL PROPERTIES						
Breaking stress in compression: 45 N/mm²		Breaking stress in tension: 85 N/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)* (sacccording to availability)	PACKAGING	
Brushed solid wood	Brushed untreated	19x180 mm	Brushed solid wood	4.20-4.50-4.80-5.10 m	Packs x boards/pack: 48x4	
		19x205 mm			Packs x boards/pack: 40x4	

*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.

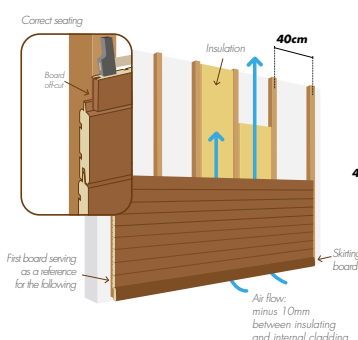
- Store the boards for a few days before installation, laid horizontally in open stacks in the room where they are to be installed.
- **Preparation:** install the internal cladding on a perfectly dry support, avoid direct contact with the floor.
- **Particular care should be taken when installing the 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

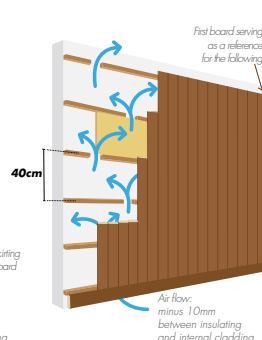
- Nail the boards on each batten.
- The nails must be at least 3.5 times longer than the thickness of the lower edge of the board. To avoid splitting, use nails with a shank less than 3.5 mm in diameter.
- Nailing at an angle improves pull-out resistance.

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.



Find all of
our **DOCUMENTATION**
on our website: sivalbp.fr



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in the SIVALBP
TECHNICAL GUIDE



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