SIVALBP AUTHENTIC

EXTERNAL CLADDING NATURAL CLADDING

WESTERN RED CEDAR

THICKNESS X WIDTH
FACE COVER: 18x130 mm
WOOD SPECIE: Western Red Cedar

BOARD: Planed solid wood
PROFILE: Chanfréa
Ref. 615

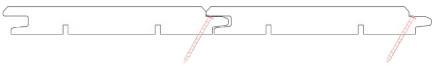
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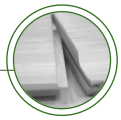

Anthony MARCHAND - DPLG Architect - ARKETIP ARCHITECTURE Agency

SIVALBP

- Carefully kiln dried boards for a better stability and aesthetic.
- Long lasting natural timber from sustainably managed forests.
- Eco-responsible transformation processes.

PROFILE: CHANFRÉA 18x130




END-MATCHED

- **DTU 41.2 Compliant - FCBA report:** 1 secret nail.
- **Nailing line:** easy installation.
- **Secret nail** for a maximum wood moisture content of 18%.
- **Conical tongue:** better fitting and quick to install.
- **End-matched:** simplifies installation and reduces the cutting wastage.

CHARACTERISTICS

- **Planed wood board**.
- Kiln dried to 18% (+/- 2%).
- **Chanfréa** profile, one secret nail on the nailing line, **end-matched**: facilitates the fitting and reduces the cutting wastage.
- **Planed wood board** for a smooth appearance and remove roughness.
- The Sivalbp-**Authentic** range offers a range of unfinished products: the natural wood aesthetics.



WOOD SPECIE: WESTERN RED CEDAR

Western Red Cedar: Canadian timber lasting up to 50 years, rot-proof and naturally 3.2 class. **PEFC certified (PEFC/10-31-1593)**. **Singularities and knots:** very slow-growing, fine-grained species; 95% knot-free; contrasting colors.

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

REACTION TO FIRE EUROCLASS D

FDES VÉRIFIÉE inies

MADE IN FRANCE

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

WESTERN RED CEDAR

Thickness x width face cover: 18x130 mm
Planed solid wood - Chanfréa - Ref. 615

WOOD SPECIE	THERMAL PROCESS	DURABILITY	TECHNICAL PROPERTIES		
Western Red Cedar Geographical area: Canada Quality: clear II, sorted out by Sivalbp, 98% of boards are knot-free. Quality's wood specie and particularly suited to contemporary architecture, naturally rot-proof, it offers the better stability. His natural qualities are references for outdoor installation in the whole world.	**Kiln dried to 18%** (+/- 2%) guaranteeing the stability of boards	**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-s2, d0 (according to NF EN 14915 standard)	Thermal resistance R in m^2. K/W: 0,10	Water vapour resistance: 56 µ
Carbon footprint: 6.29 kg CO_2 eq./m^2 (module D excluded)* FDES INIES		Western Red Cedar, lasting up to 50 years	Combustible mass in MJ/m^2: 113		Average density: 365 kg/m^3 to 12% wood moisture

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

MECHANICAL PROPERTIES					
Breaking stress in compression: 32 N/mm^2	Breaking stress in tension: 55 N/mm^2	Breaking stress in shear: 5,6	Breaking stress in bending: 51 N/mm^2	Modulus of elasticity in bending: 7 900 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)* (according to availability)	FITTING	PACKAGING
Planed solid wood	without finish	18x130 mm	Planed solid wood	1.80 - 2.10 m	FCBA Report: 1 secret nail on the nailing line (find installation advice below)	Packs x boards/pack: 80x4

*For solid wood boards with end-matched, the effective length is equal to the standard supply length invoiced minus 30 millimeters.

CERTIFICATE OF CONFORMITY

Fixing:
Conform with DTU 41.2, Western Red Cedar solid wood Chanfréa, 18x130 mm cross-section accepts a single fixation in the nailing line, according to FCBA report 2014.216.120 of April 30, 2014.

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 – 1 secret nail fixed on the nailing line.
- The head of the nails or screws must not penetrate further than 1 mm into the boards.

ACCESSORIES AND FINISH CUTS TOUCH UP

- Accessories finger-jointed or glulam, sanded, Western Red Cedar.

Profile	
Product	Complex corner trim
Surface finish	Sanded 3-ply-board
Thickness x width face cover in mm	67x55

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**

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

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

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