SIVALBP AUTHENTIC

EXTERNAL CLADDING NATURAL CLADDING

# RED DOUGLAS FIR

THICKNESS X WIDTH
FACE COVER: 27x125 mm
WOOD SPECIE: Red Douglas Fir

BOARD: Planed solid wood
PROFILE: Soléa II
Ref. 645

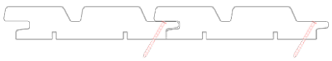
sivalbp
bois, technologie & design

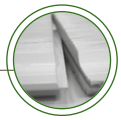
School group - Jules Ferry (69) - 2.am architecture (69) - Favrat construction bois (74)

## SIVALBP

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

## PROFILE: SOLÉA II 27x125





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

- Solid wood board.
- Kiln dried to 18% (+/- 2%).
- **Soléa II** 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: RED DOUGLAS FIR

**Red Douglas Fir:** French timber, lasting up to 50 years, **PEFC certified (PEFC/10-31-1593)**. Species characterised by a marked grain and the presence of tight sound knots.

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

# RED DOUGLAS FIR

Thickness x width face cover: 27x125 mm
Planed solid wood - Soléa II - Ref. 645

| WOOD SPECIE | THERMAL PROCESS | DURABILITY | TECHNICAL PROPERTIES | | |
|---|---|---|---|---|---|
| **Red Douglas Fir**<br>Geographical area: France<br>Quality: A/B choice NF EN 14519<br>A fast-growing specie, characterised by a marked-grain, a pink colour and the presence of tight sound knots. | **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: 0,13 | Water vapour resistance: 72 µ |
| **Carbon footprint:** 5.38 kg $CO_2$ eq./$m^2$ (module D excluded)* FDES inies | | Red Douglas Fir, lasting up to 50 years | Combustible mass in MJ/$m^2$: 239 | | Average density: 525 kg/$m^3$ to 12% wood moisture |

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

| MECHANICAL PROPERTIES | | | | | |
|---|---|---|---|---|---|
| Breaking stress in compression: 55 N/$mm^2$ | Breaking stress in tension: 93 N/$mm^2$ | Breaking stress in shear: 9,5 | Breaking stress in bending: 85 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)* (according to availability) | FITTING | PACKAGING |
|---|---|---|---|---|---|---|
| **Planed solid wood** | without finish | 27x125 mm | Planed solid wood | 3.00 - 3.50 - 4.00 - 4.50 - 5.00 m | FCBA Report: 1 secret nail on the nailing line (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.

## CERTIFICATE OF CONFORMITY

**Fixing:**
Conform with DTU 41.2, Red Douglas Fir solid wood Soléa II, 27x125 mm cross-section accepts a single fixation in the nailing line, according to FCBA report 2012.508.1347.2 of December 12, 2012.

## 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, Red Douglas Fir.

| Profile |  |  |  |
|---|---|---|---|
| **Product** | Corner trim | Complex corner trim | Board |
| **Finish surface** | Sanded finger-jointed | Sanded finger-jointed | Solid Sanded finger-jointed |
| **Thickness x width face cover in mm** | 13x58x58 | 67x55 | 25x275 |

## 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.



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