

DECLARATION OF PERFORMANCE (DOP) – DOUGLAS FIR

REFERENCE: NTL-2412-CPR-1039-05 IN COMPLIANCE WITH EU REGULATION 305/2011/EU

PRODUCT DESCRIPTION

Sawn and planed wood products with or without fold made of douglas fir, fire impregnated according to the requirements of EN14915:2013. For further details of delivered product, please see notes per order or visit varmawood.com.

MANUFACTURER

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NOTIFIED CERTIFICATION BODY & AVCP SYSTEM

Control Union Finland Oy (Finotrol), Teollisuuskatu 3, FI-50130 Mikkeli, Finland. Notified certification body no: 2412 has performed initial inspection of the manufacturing plant and production control and performs continuous surveillance, assessment, and evaluation of factory production control under system 1 and issued the certificate of conformity of factory production control: NTL- 2412-CPR-1039-05.

DECLARED PERFORMANCES AFTER FIRE IMPREGNATION

Table below summarizes certified wooden panels in accordance with EN 14915:2013 with reference to Certificate of Performance 2412-CPR-1039-05.

VARMAWOOD FIRE IMPREGNATED DOUGLAS FIR

CLASS – SOFTWOOD FAMILY

REFERENCES: CLASSIFICATION: EN 13501-1:2018 AND EN 13501-1:2020 - TEST: EN 13823 (SBI) AND EN 14135:2004

Substrate alternatives behind the solid wood paneling and cladding:

- **Option 1:** A1 and A2-s1,d0 of at least 12 mm thickness and with a density equal to or greater than 525 kg/m³.
- **Option 2:** Fibre-cement flat sheet A2-s1,d0 at least 4,5 mm thickness and density equal to or greater than 1300 kg/m³ (Swisspearl or a similar product).

Product fixed mechanically to the substrate. Non-ventilated or ventilated air gap. Mounting horizontally or vertically, horizontal and vertical joints.

Species	Nominal density range (kg/m ³)	Thickness (mm)	Reaction to fire
Douglas Fir	480-580	15-42	B-s1,d0

Additional information	
Sound absorption (Hz):	250 Hz – 500 Hz: 0,1 / 1000 Hz – 2000 Hz: 0,3 (EN 14915/ 5.5/Table 3)
Fire retardant solution:	Burnblock
Formaldehyde:	E1
Pentachlorophenol:	0 ppm
Water vapour permeability g (μ):	Density kg/m ³ 450-700: Wet 20-50 / Dry: 50-200 (EN 14915/5.4/table 2)
EU Reach Regulation:	Burnblock fire retardant do not contain any kind of chemicals or dangerous substances. Please see specifications: www.burnblock.com
Document version & Date	1.0, 2025-06-26

Manufacturer's signature in Nastola, June 26th 2025



Vincent Parasnis, CEO, Nordic Timber Labs Oy (Varmawood)