

CERTIFICATE OF CONSTANCY OF PERFORMANCE

2412-CPR-1026-01

In compliance with Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9th March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

**Solid wood panelling and cladding
Fire impregnation treatment,
classifications: B-s1,d0 and B-s2,d0
Burnblock impregnation treatment as specified in appendix**

placed on the market under the name of

Holzimprägnierwerk AG

St Pleagibergstrasse 34
CH-9205 Waldkirch
Switzerland

and produced in the manufacturing plant

St Pleagibergstrasse 34
CH-9205 Waldkirch
Switzerland

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 14915:2013

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 23rd of December 2020 and will remain valid as long as neither the harmonized standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.

The validity of the certificate can be checked on the internet address www.finotrol.fi

The certificate is issued on 23rd of December 2020



Petteri Torniainen
Managing Director



Holzimprägnierwerk AG

St Pleagibergstrasse 34
CH-9205 Waldkirch
Switzerland

Certificate of Constancy of Performance

2412 – CPR – 1026 – 01 appendix

**Fire retardant: Burnblock, manufactured by Burnblock ApS Wilders Plads 8A,
DK-1401 Copenhagen K
Treatment: Impregnation**

Accoya

- Product: Accoya solid wood panel. End use as surface lining.
- Thickness: Nominal thickness ≥ 19 mm
- Density: Nominal density range 500 - 550 kg/m³
- Intake: Nominal dry amount of fire retardant 78 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 9 mm thickness and with a density equal to or greater than 652 kg/m³
- Fixation: Fixed mechanically against the substrate
- With no air gap
- **Reaction to fire classification: B-s1,d0**

Larch (*Larix sibirica*)

- Product: Larch solid wood panel. End use as cladding or as support for cladding elements.
- Thickness: Nominal thickness $\geq 21,5$ mm
- Density: Nominal density range 650 - 750 kg/m³
- Intake: Average dry amount of fire retardant 36,5 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 9 mm thickness and with a density equal to or greater than 653 kg/m³
- Fixation: Fixed mechanically to the substrate
- With no air gap
- Mounting: Horizontally, horizontal and vertical joints,
- **Reaction to fire classification: B-s1,d0**

Oak

- Product: Oak solid wood panel. End use as surface lining.
- Thickness: Nominal thickness ≥ 20 mm
- Density: Nominal density range 500 - 750 kg/m³
- Intake: Nominal dry amount of fire retardant 16 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 9 mm thickness and with a density equal to or greater than ≥ 652 kg/m³
- Fixation: Fixed mechanically against the substrate
- With no air gap
- Mounting: Horizontal and vertical joints
- **Reaction to fire classification: B-s1,d0**

Spruce (Picea abies), Option 1

- Product: Spruce solid wood panel. End use as cladding or as support for cladding elements.
- Thickness: Nominal thickness ≥ 21 mm
- Density: Nominal density: 450 kg/m^3
- Intake: Nominal dry amount of fire retardant $35 - 39 \text{ kg/m}^3$
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 9 mm thickness and with a density equal to or greater than 652 kg/m^3
- Fixation: Fixed mechanically to the substrate
- With no air gap
- **Reaction to fire classification: B-s1,d0**

Spruce (Picea abies), Option 2

- Product: Spruce solid wood panel. End use as cladding or as support for cladding elements.
- Thickness: Nominal thickness 15 mm
- Density: Nominal density range $355 - 536 \text{ kg/m}^3$
- Intake: Nominal dry amount of fire retardant 38 kg/m^3
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 12 mm thickness and with a density equal to or greater than 525 kg/m^3
- Fixation: Fixed mechanically to the substrate
- With a ventilated or non-ventilated air gap between product and substrate or with no air gap
- Mounting: Profiles horizontally, horizontal butt joints, vertical tongue and groove joints
- **Reaction to fire classification for nominal thickness 15 mm: B-s1,d0**
- **For nominal thicknesses thicker than 15 mm reaction to fire class is: B-s2,d0**

Pine (Pinus sylvestris), Option 1

- Product: Pine solid wood panel, End use as a cladding or as a support for cladding elements.
- Thickness: Nominal thickness ≥ 21 mm
- Density: Nominal density 500 kg/m^3
- Intake: Nominal dry amount of fire retardant 38 kg/m^3
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 9 mm thickness and with a density equal to or greater than $\geq 652 \text{ kg/m}^3$
- Fixation: Fixed mechanically to the substrate
- With no air gap
- Mounting: Horizontal and vertical joints
- **Reaction to fire classification: B-s1,d0**

Pine (Pinus sylvestris), Option 2

- Product: Pine solid wood panel. End use as a cladding or as a support for cladding elements.
- Thickness: Nominal thickness 15 mm
- Density: Average density 430 kg/m^3
- Intake: Nominal dry amount of fire retardant 40 kg/m^3
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 12 mm thickness and with a density equal to or greater than 525 kg/m^3
- Fixation: Fixed mechanically to the substrate
- With a ventilated or non-ventilated air gap between product and substrate or with no air gap
- Mounting: Vertically, horizontal and vertical joints
- **Reaction to fire classification for nominal thickness 15 mm: B-s1,d0**
- **For nominal thicknesses thicker than 15 mm reaction to fire class is: B-s2,d0**

Western red cedar, Option 1

- Product: Cedar solid wood panel. End use as cladding or as support for cladding elements.
- Thickness: Nominal thickness $\geq 12,5$ mm (minimum profile 12,5 mm)
- Density: Nominal density range 350 - 450 kg/m³
- Intake: Average dry amount of fire retardant 38 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 9 mm thickness and with a density equal to or greater than 653 kg/m³
- Fixation: Fixed mechanically to the substrate
- With no air gap
- Mounting: Horizontal and vertical joints
- With the product mounted horizontally
- **Reaction to fire classification: B-s2,d0**

Western Red Cedar, Option 2

- Product: Western Red Cedar solid wood panel. End use as solid wood paneling and cladding
- Thickness: Nominal thickness 15 mm
- Density: Nominal density range 316 - 494 kg/m³
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 12 mm thickness and with a density equal to or greater than 525 kg/m³
- Fixation: Fixed mechanically to the substrate
- With a ventilated or non-ventilated air gap between product and substrate or with no air gap
- Mounting: Horizontally, horizontal and vertical joints
- **Reaction to fire classification for nominal thickness 15 mm: B-s1,d0**
- **For nominal thicknesses thicker than 15 mm reaction to fire class is: B-s2,d0**

ThermoWood, Thermo-D pine (Pinus sylvestris)

- Product: Thermo-D treated solid pine wood panel. End use as cladding or as support for cladding elements.
- Thickness: Nominal thickness ≥ 19 mm
- Density: Nominal density range 350 - 550 kg/m³
- Intake: Nominal dry amount of fire retardant 43 kg/m³ (ratio 31 – 52 kg/m³)
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 12 mm thickness and with a density equal to or greater than 525 kg/m³
- Fixation: Fixed mechanically to the substrate
- With a ventilated or non-ventilated air gap between product and substrate or with no air gap
- Mounting: Horizontal butt joints
- With vertical tongue and groove joints
- **Reaction to fire classification: B-s1,d0**



Thermo pine (Pinus sylvestris)

- Product: Thermally modified pine solid wood panel. End use as solid wood paneling and cladding
- Thickness: Nominal thickness 15 mm
- Density: Average 432 kg/m³
- Intake: Nominal dry amount of fire retardant 50,4 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 12 mm thickness and with a density equal to or greater than 525 kg/m³
- Fixation: Fixed mechanically to the substrate
- With a ventilated or non-ventilated air gap between product and substrate or with no air gap
- Mounting: Horizontally, horizontal and vertical joints
- **Reaction to fire classification for nominal thickness 15 mm: B-s1,d0**
- **For nominal thicknesses thicker than 15 mm reaction to fire class is: B-s2,d0**

Thermo ash, Option 1

- Product: Thermally modified ash solid wood panel. End use as cladding or as support for cladding elements.
- Thickness: Nominal thickness $\geq 21,5$ mm
- Density: Nominal density 650 kg/m³
- Intake: Average dry amount of fire retardant 48 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 9 mm thickness and with a density equal to or greater than 653 kg/m³
- Fixation: Fixed mechanically to the substrate
- With no air gap
- Mounting: Horizontal and vertical joints
- **Reaction to fire classification: B-s1,d0**

Thermo ash (Ash Fraxinus sp.), Option 2

- Product: Thermally modified ash solid wood panel. End use as solid wood paneling and cladding.
- Thickness: Nominal thickness 15 mm
- Density: Average 617 kg/m³
- Intake: Nominal dry amount of fire retardant 51,4 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 12 mm thickness and with a density equal to or greater than 525 kg/m³
- Fixation: Fixed mechanically to the substrate
- With a ventilated or non-ventilated air gap between product and substrate or with no air gap
- Mounting: Horizontally, horizontal and vertical joints
- **Reaction to fire classification for nominal thickness 15 mm: B-s1,d0**
- **For nominal thicknesses thicker than 15 mm reaction to fire class is: B-s2,d0**



Thermo Ayous (Wawa / Abachi / Samba), Option 1

- Product: Thermally modified ayous solid wood panel. End use as lining.
- Thickness: Nominal thickness 15 mm
- Density: Nominal density range 400 - 700 kg/m³
- Intake: Nominal dry amount of fire retardant 30 - 58 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 9 mm thickness and with a density equal to or greater than 652 kg/m³
- Fixation: Fixed mechanically against the substrate
- With no air gap
- Mounting: Vertically
- **Reaction to fire classification: B-s1,d0**

Thermo Ayous (Ayous Sterculiaceae), Option 2

- Product: Thermally modified ayous solid wood panel. End use as solid wood paneling and cladding.
- Thickness: Nominal thickness 15 mm
- Density: Nominal density 270 - 375 kg/m³
- Intake: Nominal dry amount of fire retardant 50,4 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 of at least 12 mm thickness and with a density equal to or greater than 525 kg/m³
- Fixation: Fixed mechanically to the substrate
- With a ventilated or non-ventilated air gap between product and substrate or with no air gap
- Mounting: Horizontally, horizontal and vertical joints
- **Reaction to fire classification for nominal thickness 15 mm: B-s1,d0**
- **For nominal thicknesses thicker than 15 mm reaction to fire class is: B-s2,d0**

