

CERTIFICATE OF CONSTANCY OF PERFORMANCE

2412-CPR-1016-09

In compliance with Regulation 305/2011/EU 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 paneling and cladding
Fire-retardant treatment,
classification B-s1,d0 and B-s2,d0
Burnblock impregnation treatment as specified in appendix

Placed on the market under the name of

Bitus AB
Orreforsvägen 49
SE-382 94 Nybro, Sweden

and produced in the manufacturing plant at
Nybro, Sweden

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 17th of December 2017 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 updated on 31st of October 2022



Petteri Torniainen
Managing Director



Bitus AB

Orreforsvägen 49

SE-382 94 Nybro, Sweden

All products treated with fire retardant Burnblock using impregnation method.**Accoya (Pinus radiata), Option 1**

- 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**

Accoya (Pinus radiata), Option 2

- Product: Accoya modified Pinus radiata solid wood panel. End use as a cladding or as a support for cladding elements.
- Thickness: Nominal thickness 19 mm
- Density: Nominal density 568 kg/m³
- Intake: Nominal dry amount of fire retardant 76,2 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: Profiles horizontally, horizontal and vertical joints
- **Reaction to fire classification for nominal thickness 19 mm: B-s1,d0**
- **For nominal thicknesses thicker than 19 mm reaction to fire class is: B-s2,d0**

Oak

- Product: Oak solid wood panel. End use as solid wood paneling and cladding
- Thickness: Nominal thickness ≥ 15 mm
- Minimum profile thickness 7,5 mm
- Density: Nominal density range of Oak 500 - 750 kg/m³
- Intake: Nominal average dry amount of fire retardant 30 kg/m³
- Substrate: Any substrates of classes A1 and A2-s1,d0 with a density equal to or greater than ≥ 525 kg/m³
- Fixation: Fixed mechanically against the substrate or with wooden battens of class D-s2,d0 or better
- With a ventilated or non-ventilated air gap between product and substrate or with no air gap
- Mounting: Profiles Horizontally or vertically, horizontal and vertical joints
- **Reaction to fire classification: B-s1,d0**

Spruce (*Picea abies*)

- Product: Spruce solid wood panel. End use as cladding or as support for cladding elements.
- Thickness: Nominal thickness 15 – 42 mm
- Density: Nominal density range 355 - 536 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: Profiles horizontally or vertically, horizontal and vertical joints
- **Reaction to fire classification: B-s1,d0**

Larch (*Larix sibirica*)

- Product: Larch solid wood panel. End use as a cladding or as a support for cladding elements.
- Thickness: Nominal thickness 15 – 42 mm
- Density: Nominal density range 650 - 750 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: Profiles horizontally or vertically, horizontal and vertical joints
- **Reaction to fire classification: B-s1,d0**

Pine (*Pinus sylvestris*)

- Product: Pine solid wood panel. End use as a cladding or as a support for cladding elements.
- Thickness: Nominal thickness 15 – 42 mm
- Density: Average density 430 kg/m³
- Intake: Nominal dry amount of fire retardant 40 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: Profiles horizontally or vertically, horizontal and vertical joints
- **Reaction to fire classification: B-s1,d0**

Western Red Cedar

- Product: Western Red Cedar solid wood panel. End use as solid wood paneling and cladding
- Thickness: Nominal thickness 15 - 42 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: Profiles horizontally or vertically, horizontal and vertical 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: 15 - 42 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: B-s1,d0**

Thermo ash (*Ash Fraxinus sp.*)

- Product: Thermally modified ash solid wood panel. End use as solid wood paneling and cladding.
- Thickness: 15 - 42 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: B-s1,d0**

Thermo Ayous (*Ayous Sterculiaceae*)

- Product: Thermally modified ayous solid wood panel. End use as solid wood paneling and cladding.
- Thickness: 15 - 42 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: B-s1,d0**

Thermo spruce (*Picea abies*)

- Product: Thermally modified spruce solid wood panel. End use as solid wood paneling and cladding.
- Thickness: 15 - 42 mm
- Density: Nominal density 385 kg/m³
- Intake: Nominal dry amount of fire retardant 52,5 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: B-s1,d0**



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NB: CPR/2412