

CERTIFICATE OF CONSTANCY OF PERFORMANCE

2412-CPR-1063-02

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
Treatments as specified in appendix**

placed on the market under the name of

Hestus B.V.

Westervoortsedijk 73, 6827 AV,
Arnhem, Gelderland, Netherlands

and produced in the manufacturing plant
Westervoortsedijk 73, 6827 AV,
Arnhem, Gelderland, Netherlands

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

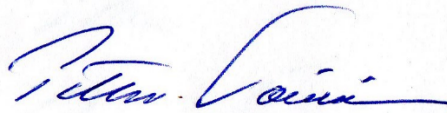
EN 14915:2013

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 1st of November 2024 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 19th of December 2024



Petteri Torniainen
Managing Director



Hestus B.V.

Westervoortsedijk 73, 6827 AV,
Arnhem, Gelderland, Netherlands

All products treated with Burnblock JG30 fire retardant using industrial impregnation method. All options without extra coating.

Air gap for paneling and cladding constructed by wooden battens of class D-s2,d0 or better.

Substrate alternatives behind the solid wood paneling and cladding if not other stated:

- **Substrate option 1:** 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. Standard substrate used in tests.
- **Substrate 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).
Test reference for option 2: Classification K52-2024 and K53-2024 / MeKA

Accoya (Pinus radiata), Option 1

Testing reference: Classification 6P07344-1 / SP

- Product: Accoya solid wood panel. End use as surface lining.
- Thickness: Nominal thickness \geq 19 mm
- Density: Nominal density range 500 - 550 kg/m³
- Intake: Nominal dry amount of fire retardant 78 kg/m³
- Substrate for this product: 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
- Without extra coating
- **Reaction to fire classification: B-s1,d0**

Accoya (Pinus radiata), Option 2

Testing reference: Classification PCA10713A / DBI

- 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: Option 1 as stated in the beginning of this appendix
- 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
- Without extra coating
- **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**

Spruce (*Picea abies*)

Testing reference: Classification (15 - 42 mm) PCA10812 / DBI, Classification (Substrate 2) K52-2024 / MeKA

- 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: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Larch (*Larix sibirica*)

Testing reference: Classification PCA10812, Indicative test PFA11675A / DBI, Classification (Substrate 2) K52-2024 / MeKA

- 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: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Larch (*Larix decidua*)

Testing reference: Classification PCA10812, Indicative test PFA11961C / DBI, Classification (Substrate 2) K52-2024 / MeKA

- Product: Larch solid wood panel. End use as a cladding or as a support for cladding elements.
- Thickness: Nominal thickness 15 – 42 mm
- Density: Average nominal density range 550 - 630 kg/m³
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- Substrate: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Pine (*Pinus sylvestris*)

Testing reference: Classification PCA10812, Indicative test PFA11473G / DBI, Classification (Substrate 2) K52-2024 / MeKA

- 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: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Western Red Cedar

Testing reference: Classification PCA10812, Indicative test PFA11473C / DBI, Classification (Substrate 2) K52-2024 / MeKA

- 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: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Frake/Limba (Terminalia superba)

Testing reference: Classification PCA10812, Indicative test PFA12107A / DBI, Classification (Substrate 2) K52-2024 / MeKA

- Product: Frake solid wood panel. End use as solid wood paneling and cladding
- Thickness: Nominal thickness 15 - 42 mm
- Density: Average nominal density 540 kg/m³
- Intake: Nominal dry amount of fire retardant 42 kg/m³
- Substrate: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Ayous (Triplochiton scleroxylon),

Testing reference: Classification PCA10812, Indicative test PFA12108A / DBI, Classification (Substrate 2) K52-2024 / MeKA

- Product: Ayous solid wood panel. End use as solid wood paneling and cladding
- Thickness: Nominal thickness 15 - 42 mm
- Density: Average nominal density 380 kg/m³
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- Substrate: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Ash (Ash fraxinus sp.),

Testing reference: Classification PCA10812, Indicative test PFA12105A / DBI, Classification (Substrate 2) K52-2024 / MeKA

- Product: Ash solid wood panel. End use as solid wood paneling and cladding
- Thickness: Nominal thickness 15 - 42 mm
- Density: Average nominal density 690 kg/m³
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- Substrate: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Douglas Fir (*Pseudotsuga menziesii*),

Testing reference: Classification (Spruce) PCA10812 / DBI, Classification (Douglas Fir) K35/2024 / MeKA

- Product: Douglas Fir solid wood panel. End use as solid wood paneling and cladding
- Thickness: Nominal thickness 15 - 42 mm
- Density: Average nominal density range 480 - 580 kg/m³
- Intake: Nominal dry amount of fire retardant 29,1 kg/m³
- Substrate: Option 1 or Option 2 as stated in the beginning of this appendix
- 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: 15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0**

Thermo pine (*Pinus sylvestris*)

Testing reference: Classification PCA10648A (15 mm), Indicative tests PFA11879A (42 mm), PFA12110A (vertical) / DBI, Classification (Substrate 2) K53-2024 / MeKA

- 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: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Thermo Ayous (*Ayous sterculiaceae*)

Testing reference: Classification PCA10648A (15 mm), Indicative tests PFA11879A (42 mm), PFA12110A (vertical) and PFA11473A (thermo ayous) / DBI, Classification (Substrate 2) K53-2024 / MeKA

- 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: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Thermo spruce (*Picea abies*)

Testing reference: Classification PCA10648A (15 mm), Indicative tests PFA11879A (42 mm), PFA12110A (vertical) and PFA11708A (thermo spruce) / DBI, Classification (Substrate 2) K53-2024 / MeKA

- 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: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Thermo Frake/Limba (Terminalia superba)

Testing reference: Classification PCA10648A (15 mm), Indicative tests PFA11879A (42 mm), PFA12110A (vertical) and PFA12078A (thermo frake) / DBI, Classification (Substrate 2) K53-2024 / MeKA

- Product: Thermally modified frake solid wood panel. End use as solid wood paneling and cladding.
- Thickness: 15 - 42 mm
- Density: Average nominal density 540 kg/m³
- Intake: Nominal dry amount of fire retardant 52,8 kg/m³
- Substrate: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s1,d0 and thickness over 42 mm B-s2,d0

Thermo Poplar (genus Populus species)

Testing reference: Classification PCA10648A (15 mm), Indicative tests PFA11879A (42 mm), PFA12110A (vertical) and PFA12078B (thermo poplar) / DBI, Classification (Substrate 2) K53-2024 / MeKA

- Product: Thermally modified poplar solid wood panel. End use as solid wood paneling and cladding.
- Thickness: 15 - 42 mm
- Density: Average nominal density 330 kg/m³
- Intake: Nominal dry amount of fire retardant 54,9 kg/m³
- Substrate: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
15-42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Platowood® spruce (Picea abies)

Testing reference: Classification K49-2024, Classification (Substrate 2) K53-2024 / MeKA

- Product: Thermally modified spruce solid wood panel. End use as solid wood paneling and cladding.
- Thickness: 18-19 mm, minimal profile thickness 10 mm
- Density: Nominal density 360 kg/m³
- Intake: Nominal dry amount of fire retardant 40 kg/m³
- Substrate: Option 1 or Option 2 as stated in the beginning of this appendix
- 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 (no extra coating):**
18-19 mm B-s1,d0 and thickness over 19 mm B-s2,d0

