

CERTIFICATE OF CONSTANCY OF PERFORMANCE

2412-CPR-1068-01

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 retardant impregnation and coating treatment,
classifications: B-s1,d0 and B-s2,d0 and B-s3,d0
Treatments as specified in appendix 1**

placed on the market under the name of

Hout+ B.V.

Schutzluis 7 A
7681 KG Vroomshoop
Netherlands

and produced in the manufacturing plant
Schutzluis 7 A
7681 KG Vroomshoop, 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 time issued on 20th of January 2026 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly unless suspended or withdrawn by the notified product certification body.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 20th of January 2026



Petteri Torniainen
Managing Director



Hout+ BV
Schutsluis 7 A
7681 KG Vroomshoop
Netherlands

APPENDIX 1 TO CERTIFICATE 2412-CPR-1068-01

Burnblock - Fire Retardant Impregnation method with coating

Coating alternatives:
- Sherwin Williams, TABLE A
- Remmers, TABLE E

**All products treated with Burnblock JG30 fire-retardant using industrial impregnation method. Coated industrially at Hout+ BV with fire-tested coatings:
TABLE A and TABLE E**

Hout+ BV

Schutsluis 7 A
7681 KG Vroomshoop
Netherlands

Solid wood panelling and cladding according to harmonized product standard EN 14915:2013.

Panel nominal total thickness as stated in the appendix. Profiles for solid wood panelling and cladding. Minimum thickness at any point of the profile (minimum profile) as stated in the appendix.

**All products treated with Burnblock JG30 fire retardant using industrial impregnation method. Coated industrially at Hout+ BV with fire-tested coatings:
TABLE E.**

If surface coating is required, follow Burnblock Factory Production Manual, Appendix API-1 and API-2 FR-TREATMENT

Industrial impregnation treatment done by CE certified sub-contracting plant(s):

1. Industrial impregnation treatment: Hestus B.V Westervoortsedijk 73 UF
Arnhem, Netherlands. Product certificate 2412-CPR-1063

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

Spruce (*Picea abies*)

Testing reference: Classification K27/2025 / MeKA (15 – 50 mm)

- Product: Spruce solid wood panel. End use as solid wood panelling and cladding
- Density: Nominal density range 350 - 540 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake / Nominal dry amount of fire retardant: Max retention 38 kg/m³ and not lower than 15 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-1
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With tested surface coating

- Nominal total thickness: 19 – 42 mm, minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s1,d0 and thickness over 42 mm B-s2,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Pine (*Pinus sylvestris*)

Testing reference: Classification K27/2025 / MeKA (15 – 50 mm)

- Product: Pine solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 380 - 540 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake / Nominal dry amount of fire retardant: Max retention 38 kg/m³ and not lower than 15 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-1
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With tested surface coating

- Nominal total thickness: 19 – 42 mm, minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s1,d0 and thickness over 42 mm B-s2,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Larch (*Larix sibirica*)

Testing reference: Classification K27/2025 / MeKA (15 – 50 mm)

- Product: Larch solid wood panel. End use as solid wood panelling and cladding
- Density: Nominal density range 650 - 750 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake / Nominal dry amount of fire retardant: Max retention 38 kg/m³ and not lower than 15 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-1

- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With tested surface coating

- Nominal total thickness: 19 – 42 mm, minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s1,d0 and thickness over 42 mm B-s2,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Larch (*Larix decidua*)

Testing reference: Classification K27/2025 / MeKA (15 – 50 mm)

- Product: Larch solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 550 - 630 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake / Nominal dry amount of fire retardant: Max retention 38 kg/m³ and not lower than 15 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-1
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With tested surface coating

- Nominal total thickness: 19 – 42 mm, minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s1,d0 and thickness over 42 mm B-s2,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Western Red Cedar (*Thuja plicata*)

Testing reference: Classification K27/2025 / MeKA (15 – 50 mm)

- Product: Western Red Cedar solid wood panel. End use as solid wood panelling and cladding
- Density: Nominal density range 320 - 490 kg/m³
- Substrate: Option 1 or Option 2 or Option 3 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake / Nominal dry amount of fire retardant: Max retention 38 kg/m³ and not lower than 15 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-1
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With tested surface coating

- Nominal total thickness: 19 – 42 mm, minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s1,d0 and thickness over 42 mm B-s2,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Frake/Limba (*Terminalia superba*)

Testing reference: Classification K27/2025 / MeKA (15 – 50 mm)

- Product: Frake solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 430 - 730 kg/m³
- Substrate: Option 1 or Option 2 or Option 3 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake / Nominal dry amount of fire retardant: Max retention 38 kg/m³ and not lower than 15 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-1
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With tested surface coating

- Nominal total thickness: 19 – 42 mm, minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s1,d0 and thickness over 42 mm B-s2,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Ayous (*Triplochiton scleroxylon*)

Testing reference: Classification K27/2025 / MeKA (15 – 50 mm)

- Product: Ayous solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 330 - 530 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake / Nominal dry amount of fire retardant: Max retention 38 kg/m³ and not lower than 15 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-1
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With tested surface coating

- Nominal total thickness: 19 – 42 mm, minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s1,d0 and thickness over 42 mm B-s2,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Ash (*Ash fraxinus sp.*)

Testing reference: Classification K27/2025 / MeKA (15 – 50 mm)

- Product: Ash solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 650 - 850 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake / Nominal dry amount of fire retardant: Max retention 38 kg/m³ and not lower than 15 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-1

- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With tested surface coating

- Nominal total thickness: 19 – 42 mm, minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s1,d0 and thickness over 42 mm B-s2,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Douglas Fir (Pseudotsuga menziesii),

Testing reference: Classification K27/2025 / MeKA (15 – 50 mm)

- Product: Douglas Fir solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 480 - 580 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake / Nominal dry amount of fire retardant: Max retention 38 kg/m³ and not lower than 15 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-1
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With tested surface coating

- Nominal total thickness: 19 – 42 mm, minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 38 kg/m³
- **Reaction to fire classification (see TABLE E):**
19-42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Thermo pine (Pinus sylvestris)

Testing reference: Classification K28/2025 / MeKA (15 – 50 mm)

- Product: Thermally modified pine solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 360 - 550 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake: Nominal dry amount of fire retardant: Max retention 50 kg/m³ and not lower than 20 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-2
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With surface coating

- Nominal total thickness: 19 – 42 mm, Minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 50 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Thermo ash (*Ash fraxinus sp.*)

Testing reference: Classification K28/2025 / MeKA (15 – 50 mm)

- Product: Thermally modified ash solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 460 - 680 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake: Nominal dry amount of fire retardant: Max retention 50 kg/m³ and not lower than 20 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-2
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With surface coating

- Nominal total thickness: 19 – 42 mm, Minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 50 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Thermo Ayous (*Ayous sterculiaceae*)

Testing reference: Classification K28/2025 / MeKA (15 – 50 mm)

- Product: Thermally modified ayous solid wood panel. End use as solid wood panelling and cladding
- Density: Nominal average density range 270 - 380 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake: Nominal dry amount of fire retardant: Max retention 50 kg/m³ and not lower than 20 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-2
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With surface coating

- Nominal total thickness: 19 – 42 mm, Minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 50 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Thermo spruce (*Picea abies*)

Testing reference: Classification K28/2025 / MeKA (15 – 50 mm)

- Product: Thermally modified spruce solid wood panel. End use as solid wood panelling and cladding
- Density: Nominal average density range 380 - 580 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake: Nominal dry amount of fire retardant: Max retention 50 kg/m³ and not lower than 20 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-2

- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With surface coating

- Nominal total thickness: 19 – 42 mm, Minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 50 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Thermo Frake/Limba (Terminalia superba)

Testing reference: Classification K28/2025 / MeKA (15 – 50 mm)

- Product: Thermally modified frake solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 410 - 730 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake: Nominal dry amount of fire retardant: Max retention 50 kg/m³ and not lower than 20 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-2
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With surface coating

- Nominal total thickness: 19 – 42 mm, Minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 50 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Thermo Poplar (genus Populus species)

Testing reference: Classification K28/2025 / MeKA (15 – 50 mm)

- Product: Thermally modified poplar solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 330 - 500 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake: Nominal dry amount of fire retardant: Max retention 50 kg/m³ and not lower than 20 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-2
- **Reaction to fire classification without coating:**
15 - 50 mm B-s2,d0 and thickness over 50 mm B-s3,d0

With surface coating

- Nominal total thickness: 19 – 42 mm, Minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 50 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Thermo Tulipwood (*Liriodendron tulipifera*)

Testing reference: Classification K28/2025 / MeKA (15 – 50 mm)

- Product: Thermally modified Tulipwood solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 400 - 500 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake: Nominal dry amount of fire retardant: Max retention 50 kg/m³ and not lower than 20 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-2
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With surface coating

- Nominal total thickness: 19 – 42 mm, Minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 50 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0
- **Reaction to fire classification (see TABLE E):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0

Thermo Radiata Pine (*Pinus radiata*)

Testing reference: Classification K28/2025 / MeKA (15 – 50 mm)

- Product: Thermally modified Radiata Pine solid wood panel. End use as solid wood panelling and cladding
- Density: Average nominal density range 390 – 530 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
- Thickness: Nominal total thickness 15 – 50 mm, minimum profile thickness 8 mm
- Intake: Nominal dry amount of fire retardant: Max retention 50 kg/m³ and not lower than 20 kg/m³ according to board thickness. Burnblock Factory Production Manual, Appendix I, API-2
- **Reaction to fire classification without coating:**
15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

With surface coating

- Nominal total thickness: 19 – 42 mm, Minimum profile 12 mm
- Intake: Nominal dry amount of fire retardant 50 kg/m³
- **Reaction to fire classification (see TABLE A):**
19 - 42 mm B-s2,d0 and thickness over 42 mm B-s3,d0
- **Reaction to fire classification (see TABLE E):**
19 - 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 without coating:**
18-19 mm B-s1,d0 and thickness over 19 mm B-s2,d0
- **Reaction to fire classification with coating (see TABLE A1):**
18-19 mm B-s1,d0 and thickness over 19 mm B-s2,d0



TABLE A. Industrial coating alternative Sherwin Williams for Burnblock FR impregnated:

Name of coating system	Coating codes	Coating system and tested values and test references
<p>Sherwin Williams coating alternatives, classification</p> <p>Species: Spruce, Larch, Pine, Western Red Cedar, Frake, Ayous, Ash and Douglas fir: B-s1,d0, tongue&groove, thickness 19 – 42 mm and minimum profile thickness 12 mm, over 42 mm B-s2,d0</p> <p>Species: Thermo Pine, Thermo Ash, Thermo Ayous and Thermo Spruce, Thermo Frake, Thermo Poplar and Thermo Tulipwood and Thermo Radiata pine: B-s2,d0, tongue&groove, thickness 19 – 42 mm and minimum profile thickness 12 mm, over 42 mm B-s3,d0</p> <p>Species: Platowood® spruce, all coating systems including also system 3. B-s1,d0, tongue&groove, thickness 18 – 19 mm and minimum profile thickness 10 mm, over 19 mm B-s2,d0</p> <p>Testing references:</p> <ul style="list-style-type: none"> - Classification PCA10812 and PCA10648A / DBI and Classification K49/2024 / MeKA - Indicative test PFA 11856A and PFA11804A / DBI 		
<p>Sherwin Williams System 1</p>	<p>SX1420 EG1570 All colors</p>	<p>Surface planed or fine sawn/paint-cut or fine-brushed Coated industrially after kiln drying with: Sherwin Williams system 1</p> <ul style="list-style-type: none"> - 1st layer of primer SX1420, max wet 62 g/m² - 2nd layer EG1570 with fungicide ingredient, max wet 62 g/m² <p>Coating conditions: According to valid Sherwin Williams instructions/product data sheet</p>
<p>Sherwin Williams System 2</p>	<p>SX1420 EG1170 All colors</p>	<p>Surface planed or fine sawn/paint-cut or fine-brushed Coated industrially after kiln drying with: Sherwin Williams system 2</p> <ul style="list-style-type: none"> - 1st layer of primer SX1420, max wet 62 g/m² - 2nd layer EG1170 fungicide free, max wet 62 g/m² <p>Coating conditions: According to valid Sherwin Williams instructions/product data sheet</p>
<p>Sherwin Williams One-layer system</p>	<p>SX1420 or EG1570 or EG1170 All colors</p>	<p>Surface planed or fine sawn/paint-cut or fine-brushed Coated industrially after kiln drying with: Sherwin Williams one-layer systems</p> <ul style="list-style-type: none"> - All coatings above are possible to use as one layer system by industrially coating process without affecting the fire classification, max wet 62 g/m² - Note: In one-layer system there can be limitations on the application of use <p>Coating conditions: According to valid Sherwin Williams instructions/product data sheet</p>

System 3	Coating codes	System 3 for Platowood® spruce
Sherwin Williams System 3 Platowood® spruce	SX1420 EG1570 or EG1170 All colors	Surface planed or fine sawn/paint-cut or fine-brushed Coated industrially after kiln drying with: Sherwin Williams system 1 <ul style="list-style-type: none"> - 1st layer of primer SX1420, max wet 68 g/m² - 2nd layer EG1570 with fungicide ingredient OR EG1170 fungicide free, max wet 68 g/m² OR <ul style="list-style-type: none"> - 1st layer of primer SX1420, max wet 68 g/m² - 2nd layer EG1570 with fungicide ingredient OR EG1170 fungicide free, max wet 68 g/m² - 3rd layer EG1570 with fungicide ingredient OR EG1170 fungicide free, max wet 100 g/m² Coating conditions: According to valid Sherwin Williams instructions/product data sheet

TABLE E.

Industrial coating alternative Remmers Induline DW-618 and LW-718 for Burnblock FR impregnated:

Name of coating system	Coating codes	Coating system and tested values and test references
<p>Remmers Induline alternatives, classification, tongue and groove Species: Spruce, Larch, Pine, Western Red Cedar, Frake, Ayous, Ash and Douglas Fir</p> <p>Thermally modified species: Thermo Pine, Thermo Ash, Thermo Ayous, Thermo Spruce, Thermo Frake, Thermo Poplar, Thermo Tulipwood and Thermo Radiata Pine</p> <p>Tongue and groove profiles nominal thickness 19 – 42 mm and minimum profile thickness 12 mm. B-s2,d0, nominal thickness over 42 mm B-s3,d0.</p> <p>Testing references:</p> <ul style="list-style-type: none"> - Classification PCA10812 and PCA10648A / DBI - Coating test unmodified species (minimum 19 mm, profile 12mm), classification K59/2024 / MeKA - Coating test thermo species (minimum 19 mm, profile 12mm), classification K60/2024 / MeKA <p>Coating conditions: According to valid Remmers instructions/product data sheet</p>		
Remmers Induline/Opaque Outdoor use: includes fungicide ingredient	DW-618 All colors	Surface planed or fine sawn/paint-cut or fine-brushed Coated industrially after kiln drying with: Opaque <ul style="list-style-type: none"> - 1st layer of DW-618, wet ~ 90 g/m² - 2nd layer DW-618, wet ~ 90 g/m² - Total amount max wet 180 g/m², including one layer system
Remmers Induline/Translucent Outdoor use: includes fungicide ingredient	LW-718 All colors	Surface planed or fine sawn/paint-cut or fine-brushed Coated industrially after kiln drying with: Translucent <ul style="list-style-type: none"> - 1st layer of LW-718, wet ~ 90 g/m² - 2nd layer LW-718, wet ~ 90 g/m² - Total amount max wet 180 g/m², including one layer system
Remmers Induline/Opaque Indoor use: WF without fungicide ingredient	DW-618 WF All colors	Surface planed or fine sawn/paint-cut or fine-brushed Coated industrially after kiln drying with: Opaque <ul style="list-style-type: none"> - 1st layer of DW-618, wet ~ 90 g/m² - 2nd layer DW-618, wet ~ 90 g/m² - Total amount max wet 180 g/m², including one layer system
Remmers Induline/Translucent Indoor use: WF without fungicide ingredient	LW-718 WF All colors	Surface planed or fine sawn/paint-cut or fine-brushed Coated industrially after kiln drying with: Translucent <ul style="list-style-type: none"> - 1st layer of LW-718, wet ~ 90 g/m² - 2nd layer LW-718, wet ~ 90 g/m² - Total amount max wet 180 g/m², including one layer system

