Holzimprägnierwerk AG
St Pelagibergstrasse 34
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Switzerland

APPENDIX 1 TO CERTIFICATE 2412-CPR-1024-04

Burnblock - Fire Retardant Impregnation method without coating

All products treated at Holzimprägnierwerk AG with Burnblock JG30 fire-retardant using industrial impregnation method.

CE

Holzimprägnierwerk AG
St Pelagibergstrasse 34
CH-9205 Waldkirch
Switzerland

and produced in the manufacturing plant

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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 at Holzimprägnierwerk AG.

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

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

Oak
Testing reference: Classification PCA10715A, Indicative test Oak PFA12205A / DBI

- Product: Oak solid wood panel. End use as solid wood panelling and claddin.
- Thickness: Nominal total thickness 15 mm
- Density: Nominal density 700 kg/m³
- Intake: Nominal dry amount of fire retardant 30 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 or vertically, horizontal and vertical joints
- Without coating
- **Reaction to fire classification for nominal thickness 15 mm: B-s1,d0**
- **For nominal thickness thicker than 15 mm reaction to fire class is: B-s2,d0**

Sapele
Testing reference: Classification PCA10715A / DBI

- Product: Sapele solid wood panel. End use as solid wood panelling and cladding
- Thickness: Nominal total thickness 15 mm
- Density: Nominal density 590 kg/m³
- Intake: Nominal dry amount of fire retardant 30 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 or vertically, horizontal and vertical joints
- Without coating
- **Reaction to fire classification for nominal thickness 15 mm: B-s1,d0**
- **For nominal thickness thicker than 15 mm reaction to fire class is: B-s2,d0**

Accoya (Pinus radiata)
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 total thickness 19 mm, minimum profile thickness 12 mm
- Density: Nominal average density 400 - 600 kg/m³
- Intake: Nominal dry amount of fire retardant 76 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 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 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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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 430-600 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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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 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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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 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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

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

Thermo ash (Ash fraxinus sp.)
esting 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 360 - 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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s2,d0 and thickness over 50 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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,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
- Without coating
- **Reaction to fire classification:**
  15 - 50 mm B-s1,d0 and thickness over 50 mm B-s2,d0

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