

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

Solid wood panelling and cladding

for use as internal or external finishes in walls or ceilings subject to reaction to fire regulations, with specification and performance as specified on page 2-5 in this certificate.

Product name: Woodsafe PRO

placed on the market under the name or trademark of

Woodsafe Timber Protection AB

Box 1153
SE-791 29 Västerås, Sweden

and produced in the manufacturing plant

Woodsafe Timber Protection AB, Fågelbacken, SE-725 95 Västerås, 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 2009-05-15 and will remain valid as long as neither the harmonised 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product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Issued by notified body 0402
The validity of this certificate can be verified on our website.

Martin Tillander
Director Product Certification

Certificate 0402-CPR-SC0243-09 | issue 7 | 2020-07-29

RISE Research Institutes of Sweden AB | Certification

Box 857, SE-50115 Borås, Sweden

+46 10 516 50 00 | certifiering@ri.se | www.ri.se

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Specification and performance

Fire retardant treated solid wood, for use in construction. For internal or external use. The fire retardant is applied to the solid wood in a vacuum-pressure impregnation process. The definition of arto/arto is the percentage amount of dry fire-retardant chemicals in respect to the amount of dry wood. The name of the fire retardant is Woodsafe PRO.

Product / Wood species	Density (kg/m ³)	Nominal thickness (mm)	Amount of fire retardant in arto/arto (%)	Reaction to fire (class)	Note
Pine panel	400-600	12	5,70	B-s1,d0	1)
Pine panel	400-600	15	5,20	B-s1,d0	1)
Heat modified pine panel	400-550	12	5,30	B-s1,d0	1)
Pine soft wood panel	378	17	10,50	B-s1,d0	3)
Aspen panel	440-590	21	12,30	B-s1,d0	1)
Maple panel	600-800	12	4,05	B-s1,d0	1)
Birch panel	600-800	12	4,25	B-s1,d0	1)
Poplar panel	380-550	15	4,30	B-s1,d0	2)
Red western Cedar panel	380-490	19	5,50	B-s1,d0	1)
Siberian Larch panel	590-820	21	2,80	B-s1,d0	1)
Studs of ash called "Woodsafe FRTW Ash", having a nominal thickness of 21 mm and a nominal width of 35 mm. Mounted vertical with or without an air gap of up to 15 mm between each stud.	600-800	21	6,40	B-s1,d0	4)
American white Oak panel. Surface coating of white pigmented hard wax oil/varnish called "Osmo 3041", wet application is 50 g/m ² .	690-850	12	3,30	B-s1,d0	1)

Notes can be seen on page 4-5 of this certificate.

Product / Wood species	Density (kg/m ³)	Nominal thickness (mm)	Amount of fire retardant in arto/arto (%)	Reaction to fire (class)	Note
Spruce panel with surface coating. Primer and top coating of acid component varnish applied in automatic spray box, with grinding between first and second layer. Wet application is 139 g/m ² primer and 114 g/m ² top coating. Dry application is 79,23 g/m ² primer and 51,3 g/m ² top coating.	380-550	12	5,30	B-s1,d0	1)
Ash panel with surface coating. Primer and top coating of acid component varnish applied in automatic spray box, with grinding between first and second layer. Wet application is 139 g/m ² primer and 114 g/m ² top coating. Dry application is 79,23 g/m ² primer and 51,3 g/m ² top coating.	600-800	12	3,90	B-s1,d0	1)
Painted spruce panel. Painted with a primer called "Antistain 5200" and a paint system called "Aquatop" from Teknos. The paint is applied in an automatic spray box. Wet application is 139 g/m ² for "Antistain 5200" and 114 g/m ² for "Aquatop". Dry application is 79,23 g/m ² for "Antistain 5200" and 51,30 g/m ² for "Aquatop".	380-550	12	5,70	B-s1,d0	1)
Foreco spruce panel. Painted with surface coating called "Teknos Firestain". Coating applied by paint brush machine with grinding between first and second layer. First layer applied to all sides of panel. Second layer to face of panel. Total applied wet amount of coating 10 m ² /l.	380-550	18	14,00	B-s1,d0	5)

Notes can be seen on page 4-5 of this appendix.

Certificate 0402-CPR-SC0243-09 | issue 7 | 2020-07-29

RISE Research Institutes of Sweden AB | Certification

Product / Wood species	Density (kg/m ³)	Nominal thickness (mm)	Amount of fire retardant in arto/arto (%)	Reaction to fire (class)	Note
Foreco pine panel. Painted with surface coating called "Teknos Firestain". Coating applied by paint brush machine with grinding between first and second layer. First layer applied to all sides of panel. Second layer to face of panel. Total applied wet amount of coating 10 m ² /l.	400-600	18	14,00	B-s1,d0	5)
Spruce panel painted with one layer of primer called "SARPECO 9-PLUS", 65 g/m ² and one layer of topcoat called "Gamme Ignifuge 691 0294", 85-90 g/m ² .	390 minimal	27(19 tongues)	8,75	B-s1,d0	6)
Douglas fir panel painted with one layer of primer called "SARPECO 9-PLUS", 65 g/m ² and one layer of topcoat called "Gamme Ignifuge 691 0294", 85-90 g/m ² .	390 minimal	27(19 tongues)	6,18	B-s1,d0	6)
Larch panel painted with one layer of primer called "SARPECO 9-PLUS", 65 g/m ² and one layer of topcoat called "Gamme Ignifuge 691 0294", 85-90 g/m ² .	390 minimal	27(19 tongues)	2,67	B-s1,d0	6)

Notes to tables above

1) This classification is valid for the following end use conditions: Gypsum plasterboard (paper faced) and any end use substrate of Euroclasses A1 or A2-s1,d0, at least 12 mm thick, having a density $\geq 525 \text{ kg/m}^3$. Mechanically fixed, with or without an air gap. Horizontal wood scantlings creating a void, if fixed with an air gap.

2) This classification is valid for the following end use conditions: Gypsum plasterboard (paper faced) and any end use substrate of Euroclasses A1 or A2-s1,d0, at least 12 mm thick, having a density $\geq 525 \text{ kg/m}^3$. Mechanically fixed. Wood scantlings creating a void.

3) This classification is valid for the following end use conditions: Any end use substrate with a fire performance of Euroclasse D-s2,d0 or better, at least 12 mm thick, having a density $\geq 680 \text{ kg/m}^3$. Mechanically fixed, with or without an air gap.

4) This classification is valid for the following end use conditions: Gypsum plasterboard (paper faced) and any end use substrate of Euroclasses A1 or A2-s1,d0, at least 12 mm thick, having a density $\geq 525 \text{ kg/m}^3$. Mechanically fixed, mounted with or without an air gap up to 15 mm between each wooden panel. Mounted with or without an air gap created by means of FR-treated wood battens between substrate and panel.

5) This classification is valid for the following end use conditions: Gypsum plasterboard (paper faced) and any end use substrate of Euroclasses A1 or A2-s1,d0, at least 12 mm thick, having a density $\geq 525 \text{ kg/m}^3$. Mechanically fixed, mounted with or without an air gap up to 10 mm between each wooden panel. Mounted with or without an air gap created by means of FR-treated wood battens between substrate and panel.

6) This classification is valid for the following end use conditions: Any end use substrate with a fire performance of Euroclass D-s2,d0 or better, at least 10 mm thick, having a density $\geq 510 \text{ kg/m}^3$, with or without protective rain/wind screen with a fire performance of Euroclass E or better. Mechanically fixed, with or without an air gap. Vertical or horizontal orientation of panelling.