



Certificate of constancy of performance

0402 - CPR - SC0243-09

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

Solid wood panelling and cladding
as specified in appendix to this certificate,
for uses subject to reaction to fire regulations

Product name: Woodsafe FirePRO fireretardant solid wood

produced by or for

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 performances set out in this certificate are applied and that

the construction product fulfils all the prescribed requirements for these performances.

This certificate was first issued on 2009-05-15 and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

2015-08-23

SP Technical Research Institute of Sweden
Certification, Notified Body No. 0402

Lennart Aronsson
Product Certification Manager

Martin Tillander
Certification officer

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Solid wood panelling and cladding, *Woodsafe FirePRO fireretardant solid wood*

For uses subject to reaction to fire regulations.

Fire retardant treated solid wood, for use in construction. For indoor and outdoor 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 FirePRO.

Product/Wood species	Density (kg/m ³)	Nominal thickness (mm)	Amount of fire retardant in arto/arto (%)	Reaction to fire (Euroclass)	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 3 of this appendix.

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Product/Wood species	Density (kg/m ³)	Nominal thickness (mm)	Amount of fire retardant in arto/arto (%)	Reaction to fire (Euroclass)	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)

Notes can be seen on page 3 in this appendix.



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Notes to tables on page 1 and 2 in this appendix

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 stud. Mounted with or without an air gap created by means of FR-treated wood battens between substrate and panel.