



CERTIFIKAT

Certificate of constancy of performance

0402 - CPR - SC1226-13

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

Wood-based panels for use in construction as specified in appendix to this certificate

Product name: Woodsafe FirePRO fireretardant plywood

produced by or for

**Södra Timber A/S
Frydenborgvej 27 N, 1
DK-3400 HILLERØD
Denmark**

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 and the performances described in Annex ZA of the standard

EN 13986:2004

under system 1 are applied and that

the essential characteristics of reaction to fire for the product fulfils all the prescribed requirements set out above.

This certificate was first issued on 2013-12-18 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 characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly.

Borås 2013-12-18

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


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Wood-based panels for use in construction, *Woodsafe FirePRO* *fireretardant plywood*

Fire retardant treated plywood, for use in construction.

The fire retardant is applied to the panels 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, class	Note*
Spruce/pine plywood	600-750	12	3,60	B-s1,d0	1)
Birch plywood	600-750	6	4,30	B-s1,d0	5)
Birch plywood	600-750	12	4,50	B-s1,d0	1)
Birch plywood	750	25	7,00	B-s1,d0	3)
Birch plywood	600-750	40	5,70	B-s1,d0	1)
Poplar plywood	540	5,5	10,50	B-s1,d0	6)
Poplar plywood	380-550	12	6,00	B-s1,d0	1)
Softwood of pine plywood	625 (12 mm) 648 (24 mm)	12-24	8,00	B-s1,d0	4)
Fuma/Abachi plywood	599	25	5,90	B-s1,d0	4)
Mahogany/Luan plywood	590	12	9,60	B-s1,d0	4)

*See next page for explanation of note 1-6.

Note 1-6

- 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 filled with insulation material having Euroclasses A1 or A2-s1,d0.
- 3) This classification is valid for the following end use conditions:
Any substrate with fire performance of Euroclasses A2-s1,d0 or better, at least 6 mm thick, having a density $\geq 800 \text{ kg/m}^3$. Mechanically fixed, with or without an air gap.
- 4) This classification is valid for the following end use conditions:
Any substrate excluding plasterboard with fire performance of Euroclasses A2-s1,d0, at least 6 mm thick, having a density $\geq 870 \text{ kg/m}^3$. Mechanically fixed, with or without an air gap.
No variation in colour of the plywood, ventilated cavities, corner joints and vertical joints.
- 5) This classification is valid for the following end use conditions:
Any end use substrate of Euroclasses A1 or A2-s1,d0 at least 9 mm thick, having a density $\geq 652 \text{ kg/m}^3$. Mechanically fixed, without an air gap.
- 6) This classification is valid for the following end use conditions:
Any end use substrate of Euroclasses A1 or A2-s1,d0 at least 9 mm thick, having a density $\geq 652 \text{ kg/m}^3$. Horizontal wood scantlings creating a void, if fixed with an air gap.