

Reaction to Fire Classification Report

Cedar profile with Burnblock



Client: Burnblock ApS
File no.: PCA10396C
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Ref: MPA / JAG



DBI

Client information

Client: Burnblock ApS
Address: Wilders Plads 8A
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Denmark

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1. Introduction

This classification report defines the classification assigned to the product group "Cedar profile with Burnblock" in accordance with the procedures given in EN 13501-1:2007+A1:2009

2. Details of classified product

2.1 General

The product "Cedar profile with Burnblock" is defined as fire retardant treated solid wood panel. Its classification is valid for in end use as cladding or as support for cladding elements.

According to the owner of this classification report, this product complies with the European product specification EN 14915.

2.2 Product description

The product "Cedar profile with Burnblock" is described in the test report in support of the classification listed in 3.1.

According to the client:

- Solid cedar panel - feather edged profile with tongue and groove
- Nominal density range: 350-450 kg/m³
- Nominal thickness (minimum of profile): 12.5 mm
- Average dry uptake of Burnblock: 38 kg/m³
- Applied in a vacuum-pressure impregnation process.

3. Reports and results in support of this classification

3.1 Reports

Name of laboratory	Name of client	Report ref. No	Test method Field of application rules	Date
DBI	Burnblock ApS	PFA10883C	EN 13823:2010 +A1:2014	2016-08-09



3.2 Results

The protocol on fire testing and classification of GNB-CPD position paper NB-CPD/SH02/12/096 (issued 2012-12-21), from the Group of Notified Bodies for the Construction Products Directive, has been applied in the process of testing. According to section 5.1, testing in accordance with EN ISO 11925-2 was not performed. According to section 5.1.5, test results are applicable to greater thicknesses, but not to lesser.

Test methods	Parameter	Number of tests ^a	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN 13823	FIGRA _{0.2 MJ} (W/s)	3	44	Y
	FIGRA _{0.4 MJ} (W/s)	3	34	Y
	THR _{600s} (MJ)	3	3.2	Y
	SMOGR _A (m ² /s ²)	3	16	Y
	TSP _{600s} (m ²)	3	91	Y
	LFS < edge	3	(-)	Y
	FDP _{f≤10s}	3	(-)	Y
	FDP _{f>10s}	3	(-)	Y
a Not for extended application				
Y "Compliant"				
(-) not applicable				

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 11.6, 11.9 and 11.10 of EN 13501-1:2007+A1:2009.

4.2 Classification

The product "Cedar profile with Burnblock" in relation to its reaction to fire behavior is classified:

B

The additional classification in relation to smoke production is:

s2

The additional classification in relation to flaming droplets/particles is:

d0

Reaction to fire classification:

B-s2,d0

4.3 Field of application

This classification is valid for the following end use conditions:

- any substrates of classes A1 and A2-s1,d0 at least 9 mm thick, with a density equal to or greater than 653 kg/m³
- the product fixed mechanically and with no air gap to the substrate.
- with vertical and horizontal joints
- with the product mounted horizontally

This classification is also valid for the following product parameters:

- Nominal thickness of 12.5 mm or more
- Wood species: Cedar
- Fire retardant: Burnblock with a nominal uptake of 38 kg/m³
- Nominal density: 350-450 kg/m³

The sample was delivered by the client. DBI was not involved in the sampling. It is not known to DBI if the product received is representative of the mean production characteristics.

5. Limitations

This classification document does not represent type approval or certification of the product.



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