Reaction to Fire Classification Report

Thermo-D Cladding

Client:	Burnblock ApS		
File no.:	PCA10479A		
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Danish Institute of Fire and Security Technology

Jernholmen 12, DK-2650 Hvidovre · Phone: +45 36 34 90 00 · E-mail: dbi@dbi-net.dk · www.dbi-net.dk

DANAK Test Reg.no. 12

Client information

Client: Burnblock ApS

Address: Wilders Plads 8A
DK-1401 København K
Denmark

The present classification report supersedes DBI classification report PCA10479A dated 2018-05-17 under the above file number

1. Introduction

This classification report defines the classification assigned to the product "Thermo-D Cladding" in accordance with the procedures given in EN 13501-1:2007+A1:2009.

2. Details of classified product

2.1 General

The product "Thermo-D Cladding" 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 "Thermo-D Cladding" is a 19 mm thick tongue and groove solid wood profile described in the test report in support of the classification listed in 3.1.

The following information was given by the client:

Average amount of the fire retardant agent Burnblock is 43 kg/m^3 (ratio 31 – 52 kg/m^3)
The wood species is pine
The samples were thermally modified
Density between 350-550 kg/m^3.

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	PFA11153A	EN 13823:2010 +A1:2014	2018-02-15

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	(-)
	FIGRA $_{0.4\ MJ}$ (W/s)	3	18	(-)
	THR $_{600s}$ (MJ)	3	2.2	(-)
	SMOGRA (m²/s²)	3	2*	(-)
	TSP $_{600s}$ (m²)	3	47*	(-)
	LFS < edge	3	(-)	Y
	$FDP_{f\leq 10s}$	3	(-)	Y
	$FDP_{f>10s}$	3	(-)	Y

a Not for extended application
Y "Compliant"
(-) not applicable
* Based on the procedure of EN 13823 annex A.6.1.2 Note

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 "Thermo-D Cladding" in relation to its reaction to fire behavior is classified: B

The additional classification in relation to smoke production is: s1

The additional classification in relation to flaming droplets/particles is: d0

Reaction to fire classification:

B-s1,d0

4.3 Field of application

This classification is valid for the following end use conditions:

- mounted on any substrates of classes A1 and A2-s1,d0 at least 12 mm thick, with a density equal to or greater than 525 kg/m³
- the product fixed mechanically directly to the substrate or
- mounted with a ventilated or non-ventilated air gap between product and substrate
- with horizontal butt joints
- with vertical tongue and groove joints

This classification is also valid for the following product parameters:

- no allowance from the specification in clause 2.2

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.

Martin Ankjer Pauner
M.Sc.Civ.Eng

Jeppe Ankjær
B.Eng. Architectural Engineering

Burnblock ApS
Wilders Plads 8A
DK-1401 København K
Denmark