

Reaction to Fire Classification Report

12 mm plywood of pine with Burnblock



Client: Burnblock ApS
File no.: PCA10555C
Date: 2019-05-16
Pages: 5 **Encl.:** 0
Ref: MPA / JAG

Client information

Client: Burnblock ApS
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Denmark

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1. Introduction

This classification report defines the classification assigned to the product "12 mm plywood of pine with Burnblock" in accordance with the procedures given in EN 13501-1:2007+A1:2007.

2. Details of classified product

2.1 General

The product "12 mm plywood of pine with Burnblock" is defined as a fire retarded wood based panel of pine.

According to the owner of this classification report, this product complies with the European product specification EN 13986.

2.2 Product description

The product "12 mm plywood of pine with Burnblock" is described by client the following way:

Required intake is: minimum 60 kilos pr. m³ (-0, +10)

Prevacuum: 30 min

Pressure: Step 1. 4 bars initially for 4 hours.

Step 2. 6 bars for 1 hour intake is reached/otherwise continue step3

Step 3. 8 bars for 1 hour intake is reached/ otherwise continue step4

Step 4. 10 bars for until intake is reached.

After drying: 30 minutes.

Absorption time: 24 hours un-stickered.

Density of product: 684 kg/m³.

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	PFA11335D	EN 13823:2010+A1:2014	2019-03-29

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.

Test methods	Parameter	Number of tests ^a	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN 13823	FIGRA _{0.2 MJ} (W/s)	3	68	(-)
	FIGRA _{0.4 MJ} (W/s)	3	48	(-)
	THR _{600s} (MJ)	3	2.9	(-)
	SMOGRA (m ² /s ²)	3	2*	(-)
	TSP _{600s} (m ²)	3	32*	(-)
	LFS < edge	3	(-)	Y
	FDP _{f≤10s}	3	(-)	Y
	FDP _{f>10s}	3	(-)	Y
a Not for extended application Y "Compliant" (-) not applicable * Based on test on new conditioned calcium silicate board and calculated using 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 "12 mm plywood of pine with Burnblock" 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:

- any substrates of classes A1 and A2-s1,d0 of at least 11 mm thickness and with a density equal to or greater than 525 kg/m³
- with the product fixed mechanically to the substrate
- With a ventilated or non-ventilated air gap
- With no air gap
- With horizontal and vertical joints

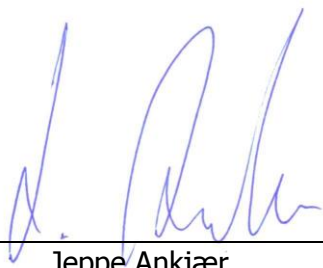
This classification is valid for the following product parameters:

- no allowance from the specifications 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.



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