

Reaction to Fire Classification Report

12 mm plywood of birch with Burnblock



Client: Burnblock ApS
File no.: PCA10555A
Date: 2019-05-16
Pages: 5 **Encl.:** 0
Ref: MPA / JAG

Client information

Client: Burnblock ApS
Address: Wilders Plads 15C
DK-1403 Copenhagen K
Denmark

This Classification report should only be reproduced in extenso - in extracts only with a written agreement with this institute.

1. Introduction

This classification report defines the classification assigned to the product "12 mm plywood of birch 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 "12 mm plywood of birch with Burnblock" is defined as a fire retarded wood based panel of birch.

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 birch with Burnblock" is described by client the following way:

Required intake is: minimum 50 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: 745 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	PFA11335B	EN 13823:2010+A1:2014	2019-03-21

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	84	(-)
	FIGRA _{0.4 MJ} (W/s)	3	67	(-)
	THR _{600s} (MJ)	3	4.2	(-)
	SMOGR _A (m ² /s ²)	3	3	(-)
	TSP _{600s} (m ²)	3	42	(-)
	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 "12 mm plywood of birch 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

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.



Jeppe Ankjær
B.Eng. Architectural Engineering



Martin Pauner
M.Sc.Civ.Eng