

Reaction to Fire Classification Report

Name of client:	BurntWood ApS		
Product name:	Burntwood		
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Client information

Client: BurntWood ApS

Address: Mondrupsvej 8

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The results relate only to the items tested. The 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 “Burntwood” in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product “Burntwood” is defined as solid wood cladding according to:

EN 14915:2013 Solid wood panelling and cladding – Characteristics, evaluation of conformity and marking.

2.2 Product description

The product “Burntwood” is pre-burnt solid wood cladding boards treated with Burntwood Primer, a water based primer with linseed oil and additives.

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	BurntWood ApS	PFA12259A	EN 13823:2020 +A1:2022 EN ISO 11925-2:2020	2024-06-24/25 2024-07-05

3.2 Results

Test methods	Parameter	Number of tests ^a	Results	
			Continuous parameter mean (m)	Compliance with parameters
EN 13823	FIGRA _{0.2 MJ} (W/s)	3	138	(-)
	FIGRA _{0.4 MJ} (W/s)	3	138	(-)
	THR _{600s} (MJ)	3	10.1	(-)
	SMOGRA (m ² /s ²)	3	3	(-)
	TSP _{600s} (m ²)	3	33	(-)
	LFS < edge	3	(-)	Y
	FDP _{f≤10s}	3	(-)	Y
	FDP _{f>10s}	3	(-)	Y
EN ISO 11925-2				
Surface flame attack, 30 s exposure	F _s ≤ 150 mm within 60 s.	6	(-)	Y
	No ignition of filter paper	6	(-)	Y
Edge flame attack, 30 s exposure	F _s ≤ 150 mm within 60 s.	6	(-)	Y
	No ignition of filter paper	6	(-)	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 11.5, 11.9 and 11.10 of EN 13501-1:2018.

4.2 Classification

The product "Burntwood" in relation to its reaction to fire behaviour is classified: C

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:

C-s1,d0

4.3 Field of application

This classification is valid for the following end use conditions:

- any non-combustible substrates of class A1 or A2-s1,d0 or any wood substrates of classes D-s2,d0 of at least 9 mm thickness and with a density equal to or greater than 338 kg/m³
- with the product fixed mechanically to the substrate.
- mounted without air gap to the substrate
- or mounted with a ventilated or non-ventilated air gap
- mounted with horizontal and vertical butt joints
- valid for the product mounted horizontally on walls
- valid for exposure to the front side of the board

This classification is valid for the following product parameters:

- valid for spruce species pre-burnt with a charred surface layer as tested and surface treated with Burntwood Primer with a wet amount of approx. 125 mL/m²
- valid for product thickness equal to 20 mm or more.
- valid for other Z-profiles with a profiled area equal to or less than tested.
- also valid for tongue and groove profiles with a profiled area equal to or less than tested.

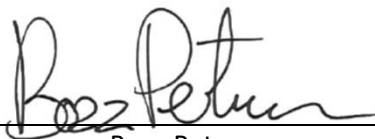
5. Limitations

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

“The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 of AVCP and CE marking under the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 laying down harmonized conditions for the marketing of construction products.

The manufacturer has made a declaration, which is held on file. This confirms that the product’s design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence, the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested”.



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