



Classification of reaction to fire in accordance with DIN EN 13501-1:2019-05

Classification report No.:

K-MPABS-2502168

Sponsor:

Hiram GmbH
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Deutschland

Prepared by:

Materialprüfanstalt für das Bauwesen
Beethovenstraße 52
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Notified body No.:

0761-CPR

Product name:

“Oak Wallpanels OCEAN”

Issue number:

1st issue

Date of issue:

2025-12-16

Validity period:

not restricted

This classification report consists of 4 pages including the cover sheet and no annexes.

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1 Introduction

This classification report defines the classification assigned to the product „Oak Wallpanels OCEAN” in accordance with the procedures given in DIN EN 13501-1:2019-05.

2 Details of classified product

2.1 General

The product „Oak Wallpanels OCEAN” is a solid wood panelling and cladding according to DIN EN 14915:2020-03.

2.2 Product description

The product „Oak Wallpanels OCEAN” is described in the reports provided in support of classification listed in 3.1.

3 Reports and results in support of this classification

3.1 Reports

Name of laboratory	Name of sponsor	Report ref. No.	Test method and date
MPA Braunschweig	Hiram GmbH	MPABS-2502168-a dated 2025-12-16	DIN EN 13823:2023-04
MPA Braunschweig	Hiram GmbH	MPABS-2502168-b dated 2025-12-16	DIN EN ISO 11925-2:2020-07

3.2 Results

Test method	Parameter	No. tests	Results	
			Continuous parameters mean (m)	Compliance with parameters
DIN EN 13823	FIGRA _{0,2 MJ} [W/s]	3	232	--
	FIGRA _{0,4 MJ} [W/s]		232	--
	THR _{600s} [MJ]		12.2	--
	LFS < edge		--	compliant
	SMOGRA [m ² /s ²]		0	--
	TSP _{600s} [m ²]		30	--
	no burning droplets / particles		--	compliant

Test method	Parameter	No. tests	Results	
			Continuous parameters mean (m)	Compliance with parameters
DIN EN ISO 11925-2	FS ≤ 150 mm	12	--	compliant
	no ignition of filter paper		--	compliant

4 Classification and field of application

4.1 Reference for classification

This classification has been carried out in accordance with DIN EN 13501-1:2019-05.

4.2 Classification

The product „Oak Wallpanels OCEAN” 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

The format of the reaction to fire classification for construction products, excluding floorings and linear pipe thermal insulation products, is:

Fire behaviour		Smoke production			Flaming droplets	
C	-	s	1	,	d	0

Reaction to fire classification: C-s1,d0

4.3 Field of application

This classification is valid for the following product parameters:

Component	Parameters	Scope of validity of the classification
„Oak Wallpanels OCEAN”	type of wood	oak
	surface treatment	50 g/m ² water-based fire-retardant impregnation liquid and 12 g/m ² hard wax oil
	thickness	20,3 mm ± 10%
	area related mass	14,2 kg/m ² ± 10%
	panel width	188 mm ± 10% (visible)

This classification is valid for the following end use applications:

Parameters	Scope of validity of the classification
end use	solid wood panelling and cladding
panel orientation	vertically
joints	vertically: tongue and groove horizontally: all joints
substrate	type: OSB bord thickness: 22 mm \pm 10% density: 632 kg/m ³ \pm 10%

5 Limitations

- 5.1 When combined with other construction materials, the reaction to fire may be impaired to the extent that the classification in Section 4.2 is no longer valid. In such cases, the reaction to fire must be verified separately.
- 5.2 This classification document does not represent type approval or certification of the product.
- 5.3 The manufacturer has not made any declaration as to the categorisation of their construction product in a system used to verify conformity for CE marking in the context of the Construction Products Regulation (CPR).

Checked and approved by:

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