



Institut für Brandschutztechnik  
und Sicherheitsforschung

# CLASSIFICATION OF REACTION TO FIRE

**in accordance with EN 13501-1:2018**  
(National edition: OENORM EN 13501-1:2020-01-15)

Product name:  
**“Organoid natural surfaces light on flax backing”**  
*(Wildspitze light on natural flax backing)*

**Classification Report No.: 320040606-B-en**

Date: 15/03/2021

Date of translation: 15/04/2021

Engineer: Andreas SCHMIDT / KO

EXT: 819

**SPONSOR:**

**Organoid Technologies GmbH**  
Nesselgarten 422  
6500 Fließ  
AUSTRIA

**PREPARED BY:**

IBS - Institut für Brandschutztechnik  
und Sicherheitsforschung GmbH  
Petzoldstraße 45, A-4020 Linz

**NOTIFICATION NO.:**

1322  
Standard:  
OENORM EN 15102:2007+A1:2011  
“Decorative wall coverings - Roll and panel form”  
Published: 1 November 2011  
CE marking possible - Assessment and Verification  
of Constancy of Performance, AVCP System 3

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## 1. Introduction

This classification report defines the classification assigned to the construction product "Organoid natural surfaces light on flax backing" in accordance with the procedures given in EN 13501-1:2018.

## 2. Details of classified product

### 2.1. General






The construction product "Organoid natural surfaces light on flax backing" is of the product type "decorative wall coverings".

Its classification is valid for the field of application set down in section 4.

### 2.2. Product description

The construction product "Organoid natural surfaces light on flax backing" is described in further detail in the reports provided in support of this classification listed in 3.1.

The following product designs are covered by the result from the fire tests:

Oberfläche	Träger	Artikelnummer	Bindemittel pro m <sup>2</sup> in gr.	Faser pro m <sup>2</sup> in gr.	Foto	Material Stärke in mm	Beschaffenheit Oberfläche	Beschreibung Oberfläche	Legende Beschaffenheit Oberfläche
BLIATNPRACHT light (Lagerkollektion)	Flachsrücken	BLIFRT2050FVPRW	25	10		0,4	B	geprüfte Oberfläche - Blüten Mix aus Moos, Kornblumenblüten, Rosenblüten, Ritterspronblüten und Sonnenblumenblüten	A - Fasern kurz oder dünn wie z.B. Wildspitze
SKELETTBLÄTTLA anthrazit light (Lagerkollektion)	Flachsrücken	SKLANT2002FVPRW	20	2		0,5	D	geprüfte Oberfläche - Skelettblätter	B - Blüten wie z.B. Bliatenpracht
WILDSPITZE light (Lagerkollektion)	Flachsrücken	WSP0002020FVPRW	35	30		0,4	A	geprüfte Oberfläche - Heu	C - Pulver wie z.B. Kafee
OBER-BLIATNPRACHT light	Flachsrücken	OS-BLIFRT2050FVPRW	25	10		0,4	B	Blüten Mix aus Moos, Kornblumenblüten, Rosenblüten und Sonnenblumenblüten	D - Blätter
OBER-FRIALING (Flachsvlies)	Flachsrücken	OS-FRLMIX0170FVPRW	25	10		0,4	B	Blüten Mix aus Moos, Kornblumenblüten, Rosenblüten, Ritterspronblüten, Sonnenblumenblüten	E - Stängel länge wie Heu z.B. Lawendel



### 3. Reports and results in support of this classification

#### 3.1. Reports

Name of Laboratory <sup>1</sup>	Name of sponsor	Report ref. no.	Test method and date field of application rules and date
IBS GmbH	Organoid Technologies GmbH	320040606-1 Edition 1 - 15.03.2021	EN ISO 11925-2 published 15.06.2020
IBS GmbH	Organoid Technologies GmbH	320040606-2 Edition 1 - 15.03.2021	EN 13823 published 01.09.2020

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<sup>1</sup> Name/address and notification number/status of testing laboratory:

- IBS: IBS - Institut für Brandschutztechnik und Sicherheitsforschung GmbH, Petzoldstraße 45, A-4020 Linz; Notification No.: 1322

### 3.2. Results

Test method and test report No.	Parameter	No. Tests	Result	
			Continuous Parameter mean (m)	Compliance with parameters
<b>OENORM EN ISO 11925-2</b> 320040606-1  exposure time 0 s	Edge flame attack $F_s \leq 150$ mm	-	(Max value) - mm	-
	Flaming droplets / particles inflammation of the filter paper		-	-
	Surface flame attack $F_s \leq 150$ mm	6	(Max value) 0 mm	compliant
	Flaming droplets / particles inflammation of the filter paper		No	compliant
<b>OENORM EN 13823</b> 320040606-2	FIGRA <sub>0,2</sub> [W/s] ( $\leq 120$ W/s)	3 (4)	0	-
	THR <sub>600s</sub> [MJ] ( $\leq 7.5$ MJ)		1.0	-
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ] ( $\leq 30$ m <sup>2</sup> /s <sup>2</sup> )		0	-
	TSP <sub>600s</sub> [m <sup>2</sup> ] ( $\leq 50$ m <sup>2</sup> )		27	-
	Flaming droplets or particles (d0)		No	compliant
	LFS < test specimen edge		Yes	compliant

## 4. Classification and field of application

### 4.1. Reference of classification

This classification has been carried out in accordance with OENORM EN 13501-1:2018 and the sections 11 and 14.1.

## 4.2. Classification

The construction product “Organoid natural surfaces light on flax backing” and in particular the reference product of type “Wildspitze light on natural flax backing” is classified in relation to its reaction to fire:

**B**

The additional classification in relation to the smoke production is:

**s1**

and the following classification in relation to flaming droplets / particles is:

**d0**

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

Reaction to fire		Smoke production			Flaming Droplets / particles	
<b>B</b>	-	<b>s</b>	<b>1</b>	.	<b>d</b>	<b>0</b>

i.e.: **B-s1, d0**

**Reaction to fire classification: B-s1, d0**

### 4.3. Field of application

This Classification is valid for the following product parameters:

- Product assembly as tested (refer to test reports in 3.1).
- The maximum applied quantity of fibres is 30 g/m<sup>2</sup>.
- The maximum applied quantity of binding agent is 35 g/m<sup>2</sup>.
- This is only valid for surfaces of the same type and structure as described in the test report and in accordance with the product list given in subsection 2.2.

Explicitly excluded are:

- Flowers more than 10 g/m<sup>2</sup>
- Leaves more than 10 g/m<sup>2</sup>
- Stems longer than the tested ones
- Full-surface powder of any kind
- Horizontal and vertical joints edge to edge are permissible.
- No overlapping or open edges.
- Only with the tested type of adhesive (methyl cellulose) and the applied quantity of up to 250 g/m<sup>2</sup>.

This Classification is valid for the following end-use-applications:

- The construction product may only be used on substrates in accordance with Euro classes A1 or A2-s1, d0, with a minimum thickness of 9 mm and a minimum raw density of 653 kg/m<sup>3</sup>, and gypsum boards with a minimum thickness of 12 mm and a minimum raw density of 525 kg/m<sup>3</sup>.
- Only glue mounting is approved
- Suitable as wall and ceiling cladding
- but not horizontally as flooring



## 5. Limitations

This classification report 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 Regulation (EU) No. 305/2011 of the European Parliament and of the European Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products.

The manufacturer has made a declaration which has been attached to the documentation. This declaration confirms that the construction product design does not include any specific processes, procedures or operations (e.g. no addition of flame retardants, limitation of organic components or addition of fillers) to improve the reaction to fire performance in order to achieve the classification achieved.

As a consequence, the manufacturer has concluded that a system 3 declaration of conformity is appropriate.

The testing laboratory has therefore not participated in the sampling of the test specimen, although it does hold adequate references from the manufacturer enabling a proper traceability of the tested samples.

In general, the validity shall expire if the customer undertakes improper technical modifications to the construction product which exceed or fall below the composition values underlying this Classification Report (refer to the test reports).

Furthermore, the validity shall also expire following restrictive provisions of forthcoming European product standards.

**IBS – INSTITUT FÜR BRANDSCHUTZTECHNIK  
UND SICHERHEITSFORSCHUNG GESELLSCHAFT M.B.H.  
Akkreditierte Prüf-, Inspektions- und Zertifizierungsstelle**

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Information on multiple electronic signatures on documents can be found [here!](#)