MPA NRW.
Materialprüfungsamt Nordrhein-Westfalen
PRÜFEN ÜBERWACHEN ZERTIFIZIEREN

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# Report of the classification of the reaction to fire behaviour

## No. 231002788-3
**dated 10.08.2026**

**English version**

**Sponsor:** Sandler AG
Lamitzmühle 1
95126 Schwarzenbach/Saale
GERMANY

**Order:** Klassifizierung des Brandverhaltens nach DIN EN 13501-1

**Date of order:** 06.05.2026

**Name of the classified building product:**

Porous acoustic panels made from 100 % polyester fibres, called as 'bluefiber mat', colour: white, nominal thickness: 50 mm

This report determines the classification of the above-mentioned building product in accordance with the method specified in DIN EN 13501-1.

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This classification report has 3 pages.

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egolf

## 1 Description of the building product

Porous acoustic panels with a symmetrical cross-section, made from 100 % polyester fibres, designed for sound insulation in buildings.

Colour: white
Mixture number: 90.01091-0002

The classification includes the following product variant from the collection:

| Product name | Weight p. unit area | Thickness | Raw density (nominal values) |
|---|---|---|---|
| bluefiber mat 50, white | 1500 g/m² | 50 mm | 30 kg/m³ |

## 2 Test reports and test results which form the basis of the classification

### 2.1 Test reports

| Name of the laboratory | Sponsor | Number of the test report | Test method |
|---|---|---|---|
| MPA NRW | Sandler AG<br>Lamitzmühle 1<br>95126 Schwarzenbach/Saale | 231002788-1<br>dated<br>10.08.2026 | **DIN EN 13823** |
| MPA NRW | Sandler AG<br>Lamitzmühle 1<br>95126 Schwarzenbach/Saale | 231002789-2<br>dated<br>17.06.2026 | **DIN EN ISO 11925-2** |

### 2.2 Test results

| Test method | Number of tests | Parameter | Test results |
|---|---|---|---|
| **DIN EN 13823** | 3 | **$FIGRA_{0,2\ MJ}$ (W/s)**<br>**$FIGRA_{0,4\ MJ}$ (W/s)**<br>**$THR_{600s}$ (MJ)**<br>**LFS** | **24**<br>**24**<br>**2,2**<br>**< edge** |
| | | **SMOGRA ($m^2/s^2$)**<br>**$TSP_{600s}$ ($m^2$)** | **4**<br>**40** |
| | | **Duration of production of flaming droplets / particles (s)** | **0** |
| **DIN EN ISO 11925-2**<br>**Flame impingement: 30 s** | 12 | **$F_s$ (mm)**<br>**Flaming droplets / particles** | **≤ 150**<br>**no** |

## 3 Classification and direct field of application

### 3.1 Reference

The classification was carried out in accordance with clauses 11 and 14.1 of the standard DIN EN 13501-1:2019.

### 3.2 Classification

The classification assigned to the material with regard to its reaction to fire is: **B**

The additional classification with regard to smoke production is: **s1**

The additional classification with regard to flaming droplets / particles is: **d0**

This results in the following reaction to fire classification of the material:

| Reaction to fire | Smoke production | Flaming droplets / particles |
|---|---|---|
| **B** | **s1** | **d0** |

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

### 3.3 Field of application of the product

The classification applies only for the product described in clause 1, with a distance of at least 80 mm to similar or other building products with extensive surface. The classification does not apply to joints between individual panels.

## 4 Restrictions

This classification report does not replace any type approval or certification of the product.

This classification report written in English language is issued additionally to the report written in German language with the same report number. In case of doubt, the German version is solely valid.

Erwitte, 10.08.2026

On behalf

Materialprüfungsamt MPA NRW 34 Nordrhein-Westfalen

Dipl.-Ing. Kühnen
(Head of the testing body)

Date of issue of this English version: 11 August 2026