

# Report of the classification of the reaction to fire behaviour

**No. 231002303-3.2 dated 28.01.2025**

English version

## Sponsor

GRAFITYP Selfadhesive Products N.V.  
Centrum Zuid 1539  
3530 Houthalen  
Belgium

**Order:** Classification of the reaction to fire behaviour according to  
DIN EN 13501-1

## Name of the classified building product:

Self-adhesive film of product line "GEF laminates"

This report determines the classification of the above-mentioned building product in compliance with the procedure specified in DIN EN 13501-1:2019-05.

## 1 Description of the building product

Self-adhesive films of product line "GEF laminates"

This product line includes the following self-adhesive films.

- "LAM 121 UV Eco Matt"  
 Film: mat, transparent, PVC-free GEF-film.  
 Adhesive: transparent, permanent, pressure-sensitive acrylate dispersion adhesive with high resistance against UV-rays, chemicals and moisture.  
 Release liner: white, clay-coated paper  
 - Total thickness - film, adhesive, release liner: appr. 235 µm  
 - Thickness film: appr. 80 µm  
 - Total weight per unit area - film, adhesive: appr. 89 g/m<sup>2</sup>  
 - Weight per unit area release liner: appr. 125 g/m<sup>2</sup>
- "LAM 130 UV ECO Satin"  
 Film: satin finished, transparent, PVC-free GEF-film  
 Adhesive: transparent, permanent, pressure-sensitive acrylate dispersion adhesive with high resistance against UV-rays, chemicals and moisture.  
 Release liner: white, clay-coated paper  
 - Total thickness - film, adhesive, release liner: appr. 235 µm  
 - Thickness film: appr. 80 µm  
 - Total weight per unit area - film, adhesive: appr. 100 g/m<sup>2</sup>  
 - Weight per unit area release liner: appr. 125 g/m<sup>2</sup>

## 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	GRAFITYP Selfadhesive Products N.V. Centrum Zuid 1539 3530 Houthalen, Belgium	231002303-1 dated 28.01.2025	DIN EN 13823*
MPA NRW	GRAFITYP Selfadhesive Products N.V. Centrum Zuid 1539 3530 Houthalen, Belgium	231002303-2 dated 28.01.2025	DIN EN ISO 11925-2*

\* In accordance with the annex to the part-accreditation-certificate D-PL-11142-01-01, the procedure is included in the scope of the flexible field of application (category 3) of the testing body's accreditation according to DIN EN ISO/IEC 17025:2018.

## 2.2 Test results

Tested material: "LAM 121 UV Eco Matt"

Test procedure	Number of tests	Parameter	Test results
DIN EN 13823	3	FIGRA <sub>0,2 MJ</sub> (W/s)	88
		FIGRA <sub>0,4 MJ</sub> (W/s)	76
		THR <sub>600s</sub> (MJ)	1,1
		LFS	< edge
		SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	4
		TSP <sub>600s</sub> (m <sup>2</sup> )	25
		Duration of flaming droplets/particles (s)	0
DIN EN ISO 11925-2	12	F <sub>s</sub> (mm)	≤ 150
Flame impingement: 30 s		Flaming droplets/particles	nein

Tested material: "LAM 130 UV ECO Satin"

Test procedure	Number of tests	Parameter	Test results
DIN EN 13823	3	FIGRA <sub>0,2 MJ</sub> (W/s)	100
		FIGRA <sub>0,4 MJ</sub> (W/s)	92
		THR <sub>600s</sub> (MJ)	1,4
		LFS	< edge
		SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	5
		TSP <sub>600s</sub> (m <sup>2</sup> )	26
		Duration of flaming droplets/particles (s)	0
DIN EN ISO 11925-2	12	F <sub>s</sub> (mm)	≤ 150
Flame impingement: 30 s		Flaming droplets/particles	nein

### 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 13501-1:2019-05.

#### 3.2 Classification

The tested material in relation to its fire behaviour is classified as: **B**  
 The additional classification regarding the smoke production is: **s1**  
 The additional classification regarding flaming droplets / particles is: **d0**

This results in a classification of the reaction to fire behaviour of the tested material:

Fire behaviour	Smoke production	Flaming droplets/particles
<b>B</b>	<b>s1</b>	<b>d0</b>

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

#### 3.3 Field of product application

The classification is solely valid for the products described in clause 1, glued onto class A1 or A2-s1, d0 substrates as well as metal substrates with a melting point of  $\geq 1000$  °C in accordance with DIN EN 13501-1. These substrates must have a thickness of  $\geq 0,8$  mm and a raw density of  $\geq 5887$  kg/m<sup>3</sup>.

### 4 Restrictions

This classification report does not replace a type approval or product certification. 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. This classification report is only valid in combination with the German version of the report.

Erwitte, 28.01.2025

On behalf



B. Sc. Markus Albat  
 Administrator who authorised this classification



Dipl.-Ing. Olaf Rickert  
 Administrator who carried out this classification

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