

Report of the classification of the reaction to fire behaviour

No. 231002537-3

dated 11.09.2025

English version

Sponsor: ORAFOL Europe GmbH
Orafolstr. 1
16515 Oranienburg
GERMANY

Order: Reaction to fire classification according to DIN EN 13501-1

Date of order: 30.05.2025

Name of the classified building product:

Self-adhesive white digital printing films "ORAJET® 3174G" and "ORAJET® 3174XG"
combined with the laminating film "ORAGUARD® XP 236"

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

1 Description of the building product

Self-adhesive white digital printing films "ORAJET® 3174G" and "ORAJET® 3174XG" combined with the laminating film "ORAGUARD® XP 236"

Both films are PVC-free and based on polypropylene.

Thickness of the digital printing films without adhesive coating:	0.1 mm
Thickness of the laminating film without adhesive coating:	0.06 mm
Weight per unit area of the digital printing films:	approx. 140 g/m ²
Weight per unit area of the laminating film:	approx. 77 g/m ²
Colour of the laminating film:	colourless, clear

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	ORAFOL Europe GmbH Orafolstr. 1 16515 Oranienburg	231002537-1 dated 11.09.2025, 231000718-2 dated 15.05.2020	DIN EN 13823
MPA NRW	ORAFOL Europe GmbH Orafolstr. 1 16515 Oranienburg	231002537-2 dated 11.09.2025, 231000718-1 dated 15.05.2020	DIN EN ISO 11925-2

2.2 Test results

Test method	Number of tests	Parameter	Test results
DIN EN 13823	7	FIGRA_{0,2 MJ} (W/s)	181
		FIGRA_{0,4 MJ} (W/s)	181
		THR_{600s} (MJ)	3.0
		LFS	< edge
		SMOGRA (m²/s²)	6
DIN EN ISO 11925-2 Flame impingement: 30 s	36	TSP_{600s} (m²)	50
		Duration of production of flaming droplets / particles (s)	≤ 10
		F_s (mm) Flaming droplets / particles	≤ 150 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: **C**

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

The additional classification with regard to flaming droplets / particles is: **d1**

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

Reaction to fire	Smoke production	Flaming droplets / particles
C	s1	d1

i.e. **C-s1, d1**

3.3 Field of application of the product

The classification is solely valid for the products described in clause 1, glued onto substrates of Euro class A1 or A2-s1,d0 (including plasterboards) with a minimum raw density of 525 kg/m³ and a minimum thickness of 12 mm. The classification also only applies if the formulation of the products is identical to the products which have been subjected to the tests underlying this classification.

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, 11.09.2025

On behalf

Dipl.-Ing. Kühnen

(Head of the testing body)



Date of issue of this English version: 30 September 2025