

# Report of the classification of the reaction to fire performance

**No. 231000718-3**

**issued 15.05.2020**

English version

## **Sponsor**

ORAFOL Europe GmbH  
Orafolstraße 1

16515 Oranienburg

## **Order**

Classification of the reaction to fire performance according to DIN EN 13501-1:2019-05

**Date of order:** 09.03.2020

**Identification number of the notified testing institute:** 0432

## **Name of the classified product:**

White self-adhesive films „ORAJET 3174G“ and „ORAJET 3174XG“ in combination with the laminating-film „ORAGUARD 236G“

This report gives the classification of the above-mentioned building product in accordance to the procedure given in DIN EN 13501-1.

## 1 Description of the building product

PVC-free digital print-films on basis of a surface-coated polypropylene in combination with a high transparent PVC-free laminating-film on basis of polypropylene with UV-protection each with a glossy surface and with an acrylate-based adhesive coating on one side; the film „ORAJET 3174G“ is coated with a transparent adhesive, the film „ORAJET 3174XG“ is coated with a grey adhesive

Thickness of the print-films without the self-adhesive coating: 0.1 mm

Thickness of the laminating-film without the self-adhesive coating: 0.06 mm

Mass per unit area of the print-films: app. 140 g/m<sup>2</sup>

Mass per unit area of the laminating-film: app. 77 g/m<sup>2</sup>

Colour of the laminating-film: colourless, clear

## 2. Test reports and test results supporting the classification

### 2.1 Test reports

Name of the test laboratory	Sponsor	No. of the test report	Test procedure
MPA NRW	ORAFOL Europe GmbH	231000718-1 of 15.05.20 231000718-2 of 15.05.20	DIN EN ISO 11925 – 2 DIN EN 13823

### 2.2 Test results

The following test results are the basis of the classification

Test method	Parameter	Number of tests performed	Test results	
			Average values of continuously parameter	Requirements of discrete parameter
DIN EN ISO 11925-2 30 s flaming time	Flamespread ≤150 mm	24	--	yes
	Burning droplets/particles			no
DIN EN 13823	FIGRA <sub>0.2</sub> in W/s	4	134	--
	FIGRA <sub>0.4</sub> in W/s		133	--
	THR <sub>600s</sub> in MJ		3.0	--
	LFS <sub>edge</sub>		--	< edge
	SMOGR <sub>A</sub> in m <sup>2</sup> /s <sup>2</sup>		6	--
	TSP <sub>600s</sub> in m <sup>2</sup>		50	--
	Duration of burning droplets/particles in s		0	--

### 3. Classification and direct field of application

#### 3.1 Reference

This classification was carried out in accordance to the clauses 11 and 14 of the standard DIN EN 13501-1:2010-01.

#### 3.2 Classification

The tested building product in relation to its reaction to fire behaviour is classified as: **C**

The additional classification in relation to smoke production is: **s1**

The additional classification in relation to flaming droplets/particles is: **d0**

The classification of the reaction to fire performance is therefore:

Fire behaviour	Smoke development	Flaming droplets
<b>C</b>	<b>s1</b>	<b>d0</b>

i. e. **C – s1,d0**

#### 3.3 Field of application of the product

The classification is valid solely for the product described in clause 1 for the application on gypsum boards as well as on substrates of Euroclass A1 or A2-s1,d0 used in practice with a density of  $\geq 525 \text{ kg/m}^3$  and a thickness of  $\geq 12 \text{ mm}$ .

### 4. Restrictions

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

### 5. Remark

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 valid solely.

Erwitte, 15.05.2020

On behalf

Dipl.-Ing. Rademacher  
 Head of notified testing body



Dipl.-Ing. Schreiner  
 Engineer in charge