

# Report of the classification of the reaction to fire performance

**No. 230011159-3**

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English version

## **Sponsor**

ORAFOL Europe GmbH  
Orafolstraße 2

16515 Oranienburg

## **Order**

Classification of the reaction to fire performance according to DIN EN 13501-1:2010-01

**Date of order:** 22.08.2017

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

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

PVC-self-adhesive foil „ORACAL 8510 Etched Glass Cal“ in colours of silver and gold and with different surface structures

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-foil with polymer plasticizers and with an acrylate-based adhesive coating on one side; the PVC-foil is deliverable with different surface structures.

Thickness of the foil without the self-adhesive coating: 0.08 mm ± 20 %

Thickness of the foil with the self-adhesive coating: 0.105 mm ± 20 %

Mass per unit area of the foils with fine structure: app. 116 g/m<sup>2</sup>

Mass per unit area of the foils with coarse structure: app. 104 g/m<sup>2</sup>

Colours: silver and gold

## 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	230011159-1 of 29.09.17 230011159-2 of 29.09.17	<b>DIN EN ISO 11925 – 2</b> <b>DIN EN 13823</b>

### 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 diskrete parameter
DIN EN ISO 11925-2 30 s flaming time	Flamespread ≤150 mm	48	--	yes
	Burning droplets/particles			no
DIN EN 13823	FIGRA <sub>0,2</sub> in W/s	6	1	--
	FIGRA <sub>0,4</sub> in W/s		1	--
	THR <sub>600s</sub> in MJ		0.4	--
	LFS <sub>edge</sub>		--	< edge
	SMOGRA in m <sup>2</sup> /s <sup>2</sup>		0	--
	TSP <sub>600s</sub> in m <sup>2</sup>		23	--
	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: **B**

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>B</b>	<b>s1</b>	<b>d0</b>

i. e. **B – 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 glass substrate.

### 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, 29.09.2017  
 On behalf



Dipl.-Ing. Schreiner  
 Assistant head of notified testing body



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