

Report of the classification of the reaction to fire behaviour

No. 230010398-3

dated 18.03.2020

New extended version

English version

Sponsor

ORAFOL Europe GmbH
Orafolstraße 1

16515 Oranienburg
Germany

Order:

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

Date of order:

10.02.2016 and 17.02.2020

Name of the classified building product:

White printable PVC self-adhesive foil "ORAJET 3162" and "ORAJET 3162X" in the versions glossy (G) and matt (M). Thickness of the foils: 0.1 mm.

This report determines the classification of the afore mentioned building product in accordance with the procedure given in DIN EN 13501-1 „Fire classification of construction products and building elements – part 1: classification using data from reaction to fire tests; German version EN 13501-1:2018“, edition May 2019.

This classification report replaces the classification report dated 23.03.2016 with the same number.

Publishing and copying of classification reports without the permission of MPA NRW is only allowed without any changes of the content and the form of the report.

A shortened reproduction of a classification report requires the permission of MPA NRW.

This classification report consists of 4 pages.

1. Description of the building product

Soft PVC foil with a polyacrylate-based adhesive coating on the back.

Colour of the foil: white in the varieties glossy and matt

Thickness of the foil (without silicone paper): 0.1 mm

Weight per unit area of the foil (without silicone paper): approx. 135 g/m²

Colour of the adhesive coating: transparent or grey

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 Orafolstraße 1 16515 Oranienburg Germany	230010398-2 dated 23.03.2016	DIN EN 13823
MPA NRW	ORAFOL Europe GmbH Orafolstraße 1 16515 Oranienburg Germany	231000685-1 dated 18.03.2020	DIN EN 13823
MPA NRW	ORAFOL Europe GmbH Orafolstraße 1 16515 Oranienburg Germany	230010398-1 dated 23.03.2016	DIN EN ISO 11925-2
MPA NRW	ORAFOL Europe GmbH Orafolstraße 1 16515 Oranienburg Germany	231000685-2 dated 18.03.2020	DIN EN ISO 11925-2

Indication: the test results documented in test report nos. 231000685-1 and 231000685-2 serve as a basis for the extension of the classification report.

2.2 Test results

Test method	Number of tests	Parameter	Test results	
			Continuous parameter average values	Discrete parameter
DIN EN 13823	3	FIGRA _{0,2} (W/s)	65	--
		FIGRA _{0,4} (W/s)	6	--
		THR _{600s} (MJ)	0.9	--
		LFS < outer edge	--	yes
		SMOGRA (m ² /s)	16	--
		TSP _{600s} (m ²)	70	--
		Burning droplets/particles (s)	0	--

Indication: the test results refer to tests which were carried out in the year 2016 and are documented in test report no. 230010398-3. In the year 2020 indicative tests were carried out as a basis for the extension of this classification report, the results of these are documented in test report no. 231000685-1.

Test method	Number of tests	Parameter	Test results	
			Continuous parameter average values	Discrete parameter
DIN EN ISO 11925-2	18 x F	F _S ≤ 150 mm Burning droplets/particles	--	yes
	18 x K		--	no

Remark: K = tested with flames exposed to the edge, F = tested with flames exposed to the surface

Indication: the test results refer to tests which were carried out in the year 2016 and are documented in test report no. 230010398-3. In the year 2020 indicative tests were carried out as a basis for the extension of this classification report, the results of these are documented in test report no. 231000685-1.

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: 2018.

3.2 Classification

The tested material in relation to its fire behaviour is classified as: **B**

The additional classification regarding the smoke production is: **s2**

The additional classification regarding burning droplets/particles is: **d0**

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

Fire behaviour	Smoke production	Burning droplets/particles
B	s2	d0

i. e. **B-s2, d0**

3.3 Field of product application

The classification is solely valid for the product described in section 1 for the use on gypsum board substrates as well as for euroclass A1 or A2.s1, d0 substrates used in practical application with a raw density of $\geq 525 \text{ kg/m}^3$ and a thickness of $\geq 12 \text{ mm}$. The classification is also valid if the foil is furnished with a coloured print.

4. Restrictions

This classification report does not replace any 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, 18.03.2020

On behalf



Dipl.-Ing. Rademacher

Head of the testing body



Date of issue of this English version: 28 April 2020