

Report of the classification of the reaction to fire performance

No. 230007528-3

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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:

03.06.2010

Name of the classified product:

“ORACAL 1720”: self-adhesive polyolefin-foil with a coating of an acrylic lacquer

Notified Body: 0432

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

“ORACAL 1720”: self-adhesive polyolefin-foil with a coating of an acrylic lacquer
 A printing can be done with solvent based screen printing inks.

Thickness of the foils: 0,12 mm ($\pm 10\%$)

Weight per unit area of the foils: 117 g/m² ($\pm 10\%$)

Red respectively black printed and not printed white foils were tested.

For the tests the foils were glued on aluminium sheet according to DIN EN 13238.

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 Orafolstraße 2 16515 Oranienburg	230007528-1	DIN EN 13823
MPA NRW	ORAFOL Europe GmbH Orafolstraße 2 16515 Oranienburg	230007528-2	DIN EN ISO 11925 – 2

2.2 Test results

Test method	Number of tests performed	Parameter	Test results
DIN EN 13823	5	FIGRA _{0,2} in W/s	73
		FIGRA _{0,4} in W/s	61
		THR _{600s} in MJ	1,7
		LFS _{edge}	< edge
		SMOGRA in m ² /s ²	0
		TSP _{600s} in m ²	29
		Duration of burning droplets/particles in s	> 10
DIN EN ISO 11925-2 15 s flaming time	36	Flamespread	≤150 mm
		Burning droplets/particles	no

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.

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: **d2**

The classification of the reaction to fire performance is therefore:

Fire behaviour	Smoke development	Flaming droplets
B	s1	d2

i. e. **B – s1,d2**

3.3 Field of application of the product

The classification is valid solely for the product described in clause 1 with a thickness of 0,12 mm ($\pm 10\%$), glued on metallic substrate with a melting point of $\geq 500\text{ °C}$ and a density of $\geq 1987,5\text{ kg/m}^3$.

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, 28.09.2010

On behalf



Dipl.-Ing. Rademacher
 Head of notified testing body




Dipl.-Ing. Schreiner
 Engineer in charge

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