

Report of the classification of the reaction to fire performance

No. 230010828-3

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English version

Sponsor

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Order

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

Date of order: 16.12.2016

Name of the classified product:

Matt white, matt black as well as highly shining, differently dyed PVC-self-adhesive foils „ORACAL 751C“ in combination with the protective laminate „ORAGUARD 215“

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

Casted PVC foils with one-sided self-adhesive coating on acrylate-basis for plotter applications in combination with a protective laminate of a clear-sighted PVC foil with one-sided self-adhesive coating on acrylate-basis

Thickness of the plotter-foil without the self-adhesive coating: 0,06 mm

Thickness of the protective laminate-foil without the self-adhesive coating: 0,075 mm

Colour of the plotter-foils: a) matt white, b) matt black, c) highly shining in different colours

Mass per unit area of the foil combination with the self-adhesive coating: app. 225 g/m²

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	230010828-1 of 17.03.17 230010828-2 of 17.03.17	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	36	--	yes
	Burning droplets/particles			no
DIN EN 13823	FIGRA _{0,2} in W/s	5	203	--
	FIGRA _{0,4} in W/s		169	--
	THR _{600s} in MJ		1,3	--
	LFS _{edge}		--	< edge
	SMOGRA in m ² /s ²		40	--
	TSP _{600s} in m ²		54	--
	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: **s2**

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
C	s2	d0

i. e. **C – s2,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 metallic substrates of Euroclass A1 or A2-s1,d0 with a density of $\geq 5887 \text{ kg/m}^3$, a thickness of $\geq 0,6 \text{ mm}$ and a melting point of $\geq 1000 \text{ °C}$.

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, 17.03.2017

On behalf



Dipl.-Ing. Schreiner

Assistant head of notified testing body



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