

Report of the classification of the reaction to fire performance

No. 230009076-3

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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:

1st July 2013

Name of the classified product:

Colourless transparent respectively different coloured self-adhesive foils "ORACAL 638"

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

Soft PVC-foil with an acrylate-based self-adhesive coating on one side

Thickness of the soft PVC-foil without the self-adhesive coating: 0,08 mm ($\pm 10\%$)

Mass per unit area of the self-adhesive foil: 106 g/m² ($\pm 10\%$)

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	230009076-1 230009076-2	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	30	--	yes
	Burning droplets/particles			no
DIN EN 13823	FIGRA _{0,2} in W/s	4	104	--
	FIGRA _{0,4} in W/s		43	--
	THR _{600s} in MJ		1,5	--
	LFS _{edge}		--	< edge
	SMOGRA in m ² /s ²		12	--
	TSP _{600s} in m ²		53	--
	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.

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: **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
B	s2	d0

i. e. **B – s2,d0**

3.3 Field of application of the product

The classification is valid solely for the product described in clause 1 glued on substrates made of gypsum boards or other substrates which are classified as class A1 or A2-s1, d0 according to DIN EN 13501-1. The minimum thickness of these substrates must be 6 mm and the minimum density must be 450 kg/m³.

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, 17th September 2013

On behalf



Dipl.-Ing. Rademacher
 Head of notified testing body




Dipl.-Ing. Schreiner
 Engineer in charge

Date of issue of this English version: 17th October 2013