

Report of the classification of the reaction to fire performance

No. 230008713-3

issued 23.09.2013

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:

25th October 2012

Name of the classified product:

White self-adhesive foils "ORAJET 3162XMRA-010" and "ORAJET 3162XGRA-010" in combination with the self-adhesive laminate foil "ORAGUARD 210" glued onto the aluminium-composite-sheet "ALUCOBOND A2"

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

Self-adhesive foils made of Soft-PVC, coated with polyacrylate-based glue on one side

Thickness of the self-adhesive foils "ORAJET 3162XMRA-010" and "ORAJET 3162XGRA-010":
 0,1 mm ($\pm 10\%$)

Thickness of the self-adhesive laminate foil "ORAGUARD 210": 0,07 mm ($\pm 10\%$)

Mass per unit area of the self-adhesive foils "ORAJET 3162XMRA-010" and "ORAJET 3162XGRA-010": 134 g/m² ($\pm 10\%$)

Mass per unit area of the self-adhesive laminate foil "ORAGUARD 210": 114 g/m² ($\pm 10\%$)

Colour of the self-adhesive foil "ORAJET 3162XMRA-010": white, matt

Colour of the self-adhesive foil "ORAJET 3162XGRA-010": white, glossy

Colour of the self-adhesive laminate foil "ORAGUARD 210": colourless, transparent

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	230008713-1 230008713-2	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	24	--	yes
	Burning droplets/particles			no
DIN EN 13823	FIGRA _{0,2} in W/s	3	202	--
	FIGRA _{0,4} in W/s		190	--
	THR _{600s} in MJ		1,6	--
	LFS _{edge}		--	< edge
	SMOGRA in m ² /s ²		48	--
	TSP _{600s} in m ²		75	--
	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 of the foil combination made of self-adhesive foil and self-adhesive laminate foil on the 4 mm thick aluminium-composite-sheet "ALUCOBOND A2" of the company 3A Composites GmbH in 78224 Singen.

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, 23rd September 2013

On behalf



Dipl.-Ing. Schreiner

Deputy head of notified testing body



Date of issue of this English version: 20th November 2013