

Report of the classification of the reaction to fire performance

No. 231001071-3

issued 21.01.2021

English version

Sponsor

Grafiyp Selfadhesive Products NV
Stationsstraat 43

3530 Houthalen
Belgium

Order

Classification of the reaction to fire performance according to DIN EN 13501-1:2019-05

Date of order: 01.12.2020

Identification number of the notified testing institute: 0432

Name of the classified product:

White, matt self-adhesive-film „Grafiprint GEF ES“ made of polypropylene

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

White, matt self-adhesive-film made of polypropylene with a matt, printable coating on the visible side and a backside coating with a water-based acrylic adhesive

Thickness of the polypropylene film: 110 µm

Thickness of the polypropylene film with the printable coating: 150 µm

Mass per unit area of the polypropylene film: 110 g/m²

Mass per unit area of the polypropylene film with the printable coating: 150 g/m²

Total mass per unit area of the self-adhesive-film: 175 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	Grafityp Selfadhesive Products NV	231001071-1 of 21.01.21 231001071-2 of 21.01.21	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 diskrete parameter
DIN EN ISO 11925-2 30 s flaming time	Flamespread ≤150 mm	12	--	yes
	Burning droplets/particles			no
DIN EN 13823	FIGRA _{0,2} in W/s	3	154	--
	FIGRA _{0,4} in W/s		154	--
	THR _{600s} in MJ		2.2	--
	LFS _{edge}		--	< edge
	SMOGRA in m ² /s ²		6	--
	TSP _{600s} in m ²		20	--
	Duration of burning droplets/particles in s		0	--

The values for SMOGRA und TSP_{600s} were calculated by using the calculation procedure according to DIN EN 13823 section A.6.

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 13501-1:2019-05.

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: **s1**

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	s1	d0

i. e. **C – s1,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 the Euroclasses A1 or A2-s1,d0 with a density of $\geq 5887.5 \text{ kg/m}^3$, a thickness of $\geq 0.6 \text{ mm}$ and a melting point of $\geq 1000 \text{ }^\circ\text{C}$.

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, 21.01.2021

On behalf



Dipl.-Ing. Schreiner

Assistant Head of notified testing body



Date of issue of this English version: 21.01.2021