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Report of the classification of the reaction to fire behaviour

No. 231001156-3.2 dated 18.02.2022

English version

Sponsor

POLI-TAPE Klebefolien GmbH Zeppelinstr. 17 53424 Remagen

Order: Classification of the reaction to fire behaviour according to DIN EN 13501-1

Date of order: 09.02.2021

Description / name of the classified building product:

Self-adhesive, polymer PVC-films of the 1200-series with the denominations "POLI-PRINT ..."

This report determines the classification of the above mentioned building product in compliance with the procedure specified in DIN EN 13501-1:2019-05.

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This classification report consists of 4 pages.



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1 Description of the building product

Description of the building product

Self-adhesive, polymer PVC-films of the 1200-series with the denominations

"POLI-PRINT ...".

The polymeric PVC films, which can be printed in any color with solvent or latex inks, are furnished with a self-adhesive layer based on solvent acrylate. Depending on the version of the PVC film, the self-adhesive layer is gray or transparent.

The self-adhesive PVC-films have the following denominations:

- "POLI-PRINT 1200 White Gloss Permanent Grey"
- "POLI-PRINT 1201 White Gloss Permanent"
- "POLI-PRINT 1203 White Gloss Permanent Grey Airfree"
- "POLI-PRINT 1230 Transparent Gloss Permanent"
- "POLI-PRINT 1235 Transparent Matt Permanent"

The 1200-series films may be pasted over with the following laminate:

• "POLI-LUX 740 Gloss"

Thickness of the PVC-films as well as the laminates: appr. 75 µm each. Weight per unit area of the self-adhesive PVC-films: appr. 125 g/m². Total weight per unit area of the printed and laminated PVC-films: appr. 250 g/m².

2 Test reports and test results which form the basis of the classification

2.1 Test reports

Name of the laboratory	Sponsor	Number of the test report	Testing method
MPA NRW	POLI-TAPE Klebefolien GmbH Zeppelinstr. 17 53424 Remagen	231001156-1 dated 18.02.2022	DIN EN 13823
MPA NRW	POLI-TAPE Klebefolien GmbH Zeppelinstr. 17 53424 Remagen	231001156-2 dated 18.02.2022	DIN EN ISO 11925-2



2.2 Test results

The test results listed below form the basis of the classification. The test reports listed in clause 2.1 contain the results of additional tests which have been carried out to determine the most unfavourable variants regarding the reaction to fire behaviour.

Test procedure	Number of tests	Parameter	Test results
DIN EN 13823	11	FIGRA0,2 мJ (W/S) FIGRA0,4 мJ (W/S) THR600s (MJ) LFS	181 151 1,3 < edge
		SMOGRA (m ² /s ²) TSP _{600s} (m ²) Duration of flaming dripping/dropping of	8 33 0
DIN EN ISO 11925-2 Flame impingement: 30 s	96	Fs (mm) Flaming droplets/particles	≤ 150 no

3 Classification and direct field of application

3.1 Reference

The classification was carried out in compliance with clauses 11 and 14.1 of the standard DIN EN 13501-1:2019-05.

3.2 Classification

With reference to its fire behaviour the material has been classified as:	С
The additional classification regarding smoke production is:	s1
The additional classification regarding flaming droplets / particles is:	d0



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Therefore the fire behaviour of the material is classified:

Fire behaviour	Smoke production	Flaming droplets/particles		
С	s1	d0	i.e.	C-s1, d0

3.3 Field of product application

The classification is solely valid for the building products described in clause 1 glued to metallic substrates of class A1 and A2-s1, d0 in accordance with DIN EN 13501-1. The substrates must have a thickness of \geq 0,8 mm, a raw density of \geq 5887 kg/m³ as well as a melting point of \geq 1000°C.

4 Restrictions

This classification report does not replace a type approval or product certification.

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 solely valid. This classification report is only valid in combination with the German version of the report.

Erwitte, 18.02.2022 On behalf

Dipl.-Ing. Kühnen (Deputy head of the testing body)



O. Mich &

Dipl.-Ing. Olaf Rickert (Administrator)

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