

Report of the classification of the reaction to fire behaviour

No. 231001691-2

dated 21.11.2022

English version

Sponsor *)

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Order:

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

Date of order: 09.08.2022

Description / name of the classified building product *):

Self-adhesive, polymer PVC-films „Coala 2D Gloss PG“, „Coala 2D Gloss P“, „Coala 2D Air Free“, „Coala 2D Matt P“, „Coala 2D Translucent P“, „Coala 2D Lam Gloss“ and „Coala 2D Lam Matt“

This report gives the classification of the above-mentioned building product in accordance to the procedure given in DIN EN 13501-1.

*) The product was submitted for testing by a different sponsor under an alternative product name. Further information is on file at MPA NRW.

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This classification report consists of 4 pages.

1 Description of the building product

Self-adhesive, polymer PVC-films

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 grey or transparent.

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

- „Coala 2D Gloss PG“
- „Coala 2D Gloss P“
- „Coala 2D Air Free“
- „Coala 2D Matt P“
- „Coala 2D Translucent P“

The films may be pasted over with the following laminates:

- „Coala 2D Lam Gloss“
- „Coala 2D Lam Matt“

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	for testing submitted by another sponsor *)	231001156-1 dated 18.02.2022	DIN EN 13823
MPA NRW	for testing submitted by another sponsor *)	231001156-2 dated 18.02.2022	DIN EN ISO 11925-2

*) Information about this are stored in the file of MPA NRW

2.2 Test results

The test results listed below form the basis of the classification.

Test procedure	Number of tests	Parameter	Test results
DIN EN 13823	11	FIGRA _{0,2 MJ} (W/s)	181
		FIGRA _{0,4 MJ} (W/s)	151
		THR _{600s} (MJ)	1,3
		LFS	< edge
		SMOGRA (m ² /s ²)	8
		TSP _{600s} (m ²)	33
		Duration of flaming dripping/dropping of particles (s)	0
DIN EN ISO 11925-2 Flame impingement: 30 s	96	F _s (mm)	≤ 150
		Flaming droplets/particles	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: **C**

The additional classification regarding smoke production is: **s1**

The additional classification regarding flaming droplets / particles is: **d0**

Therefore the fire behaviour of the material is classified:

Fire behaviour	Smoke production	Flaming droplets/particles
C	s1	d0

i.e. **C – s1, d0**

3.2 Field of product application

The classification is valid solely for the product described in clause 1 for the application on 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 ≥ 5887 kg/m³ as well as a melting point of $\geq 1000^{\circ}\text{C}$.

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, 21.11.2022

On behalf



Dipl.-Ing. Rademacher
 Head of notified testing body




Dipl.-Ing. Jung
 Engineer in charge

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