

# Report of the classification of the reaction to fire performance

**No. 231001691-1**

**dated 21.11.2022**

English version

## **Sponsor \*)**

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## **Order**

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

**Date of order:** 09.08.2022

**Identification number of the notified testing institute:** 0432

## **Name of the classified product \*):**

Monomeric PVC-self-adhesive foils „Coala 1D Lam Gloss“, „Coala 1D Lam Matt“,  
„Coala 1D 80 Gloss P“, „Coala 1D 80 Matt P“, „Coala 1D 80 Gloss PG“, „Coala 1D 80 Matt PG“,  
„Coala 1D 80 Gloss RG“, „Coala 1D 80 Matt RG“, „Coala 1D 100 Gloss P“, „Coala 1D 100 Matt P“,  
„Coala 1D 100 Gloss PG“, „Coala 1D 100 Matt PG“, „Coala 1D 100 Gloss R“,  
„Coala 1D 100 Matt R“, „Coala 1D 100 Gloss RG“ and „Coala 1D 100 Matt RG“

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.

**1 Description of the building product**

Monomeric PVC-self-adhesive foils of the following variants:

a) „Coala 1D Lam Gloss“ and „Coala 1D Lam Matt“

Transparent films made of a calendered PVC with a self-adhesive coating on basis of acrylate on the backside

Thickness of the films: 80 µm

Gloss level of the films: matt resp. glossy

Colour of the adhesive: transparent

b) „Coala 1D 80 Gloss P“, „Coala 1D 80 Matt P“, „Coala 1D 80 Gloss PG“, „Coala 1D 80 Matt PG“, „Coala 1D 80 Gloss RG“ and „Coala 1D 80 Matt RG“

White films made of a calendered PVC with a self-adhesive coating on basis of acrylate on the backside

Thickness of the films: 80 µm

Gloss level of the films: matt resp. glossy

Colour of the adhesive: transparent resp. grey

c) „Coala 1D 100 Gloss P“, „Coala 1D 100 Matt P“, „Coala 1D 100 Gloss PG“, „Coala 1D 100 Matt PG“, „Coala 1D 100 Gloss R“ and „Coala 1D 100 Matt R“

White films made of a calendered PVC with a self-adhesive coating on basis of acrylate on the backside

Thickness of the films: 100 µm

Gloss level of the films: matt resp. glossy

Colour of the adhesive: transparent resp. grey

d) „Coala 1D 100 Gloss RG“ and „Coala 1D 100 Matt RG“

White films made of a calendered PVC with a self-adhesive coating on basis of acrylate on the backside

Thickness of the films: 120 µm

Gloss level of the films: matt resp. glossy

Colour of the adhesive: grey

**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	for testing submitted by another sponsor *)	231000651-1 of 20.03.20 231000651-2 of 20.03.20	<b>DIN EN ISO 11925 – 2</b> <b>DIN EN 13823</b>

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

## 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 $\leq 150$ mm	60	--	yes
	Burning droplets/particles			no
DIN EN 13823	FIGRA <sub>0.2</sub> in W/s	7	67	--
	FIGRA <sub>0.4</sub> in W/s		4	--
	THR <sub>600s</sub> in MJ		1,3	--
	LFS <sub>edge</sub>		--	< edge
	SMOGRA in m <sup>2</sup> /s <sup>2</sup>		13	--
	TSP <sub>600s</sub> in m <sup>2</sup>		44	--
	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: **B**

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
<b>B</b>	<b>s1</b>	<b>d0</b>

i. e. **B – 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 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/m<sup>3</sup> 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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