

# Report of the classification of the reaction to fire behaviour

**No. 231001845-3 dated 20.04.2023**

**English version**

## **Sponsor**

Hyundai L&C Corporation  
13F East Central Tower  
1077, Cheonho-Daero, Gangdong-gu  
Seoul 5340  
South Korea

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

**Date of order:** 08.03.2023

## **Description / name of the classified building product:**

White PVC self-adhesive film as a wall covering in accordance with DIN EN 15102 with the denomination "Interior Film Bodaq"

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

## 1 Description of the building product

White PVC self-adhesive film as a wall covering in accordance with DIN EN 15102 with the denomination "Interior Film Bodaq".

Weight per unit area of the film without adhesive: 256 g/m<sup>2</sup>

Total weight per unit area: 277 g/m<sup>2</sup>

Total thickness: 0,24 mm

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

### 2.1 Test reports

Name of the laboratory	Sponsor	Number of the test report	Test method
MPA NRW	Hyundai L&C Corporation 13F East Central Tower 1077, Cheonho-Daero, Gangdong-gu Seoul 5340, South Korea	231001845-1 dated 20.04.2023	DIN EN 13823
MPA NRW	Hyundai L&C Corporation 13F East Central Tower 1077, Cheonho-Daero, Gangdong-gu Seoul 5340, South Korea	231001845-2 dated 20.04.2023	DIN EN ISO 11925-2

## 2.2 Test results

Test method	Number of tests	Parameter	Test results
DIN EN 13823	3	FIGRA <sub>0,2 MJ</sub> (W/s)	73
		FIGRA <sub>0,4 MJ</sub> (W/s)	0
		THR <sub>600s</sub> (MJ)	1,0
		LFS	< edge
		SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	51
		TSP <sub>600s</sub> (m <sup>2</sup> )	84
DIN EN ISO 11925-2  Flame impingement: 30 s	12	Duration of burning dripping/dropping of particles (s)	0
		F <sub>s</sub> (mm)	≤ 150
		Burning dripping/dropping of particles	no

## 3 Classification and direct field of application

### 3.1 Reference

The classification was carried out in accordance with sections 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: **B**

The additional classification regarding the smoke production is: **s2**

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

Therefore the fire behaviour of the material is classified:

Fire behaviour	Smoke production	Burning droplets/particles
<b>B</b>	<b>s2</b>	<b>d0</b>

i.e. **B-s2, d0**

### 3.2 Product application

The classification is solely valid for the building product described in section 1 on metal substrates with a melting point of  $\geq 1000$  °C which correspond to class A1 or A2-s1, d0 in accordance with DIN EN 13501-1. These substrates must have a thickness of  $\geq 0,8$  mm and a raw density of  $\geq 5887$  kg/m<sup>3</sup>.


## 4 Restrictions

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

This test report written in English language is issued additionally to the test report written in German language with the same report number. In case of doubt the German version is solely valid.

Erwitte, 20.04.2023

On behalf



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



Dipl.-Ing. Olaf Rickert  
(Administrator)

Date of issue of this English version: 27.04.2023