

Report of the classification of the reaction to fire behaviour

No. 231002261-4
dated 17.09.2024

Sponsor: Avery Dennison Materials Sales Germany GmbH
Jesinghauser Straße 55
58332 Schwelm
Germany

Order: Reaction to fire classification according to DIN EN 13501-1

Date of order: 10.07.2024

Name of the classified building product:

Self-adhesive polyester sun protection film „SolarZone™ XTRM SkyLite 20X PRO“

This report determines the classification of the above-mentioned building product in accordance with the method specified in DIN EN 13501-1.

1 Description of the building product

Self-adhesive polyester sun protection film „SolarZone™ XTRM SkyLite 20X PRO“

Thickness of the film: 105 µm

Weight per unit area of the film without protection film and without adhesive layer: approx. 73 g/m²

Weight per unit area of the film without protection Film but with adhesive layer: approx. 98 g/m²

Light transmission: 20%, measured on 3 mm glass pane

Colour of the film: silver transparent

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	Test method
MPA NRW	Avery Dennison Materials Sales Germany GmbH Jesinghauser Straße 55 58332 Schwelm	231002261-1 dated 17.09.2024	DIN EN 13823
MPA NRW	Avery Dennison Materials Sales Germany GmbH Jesinghauser Straße 55 58332 Schwelm	231002261-2 dated 17.09.2024	DIN EN ISO 11925-2

2.2 Test results

Test method	Number of tests	Parameter	Test results
DIN EN 13823	3	FIGRA_{0,2 MJ} (W/s)	0
		FIGRA_{0,4 MJ} (W/s)	0
		THR_{600s} (MJ)	0.5
		LFS	< edge
		SMOGRA (m²/s²)	0
DIN EN ISO 11925-2 Flame impingement: 30 s	12	TSP_{600s} (m²)	7
		Duration of production of flaming droplets / particles (s)	0
		F_s (mm)	≤ 150
		Flaming droplets / particles	no

3 Classification and direct field of application

3.1 Reference

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

3.2 Classification

The classification assigned to the material with regard to its reaction to fire is: **B**

The additional classification with regard to smoke production is: **s1**

The additional classification with regard to flaming droplets/particles is: **d0**

This results in the following reaction to fire classification of the material:

Reaction to fire	Smoke production	Flaming droplets/particles
B	s1	d0

i.e. **B-s1,d0**

3.3 Field of application of the product

The classification is solely valid for the building product described in clause 1, glued onto substrates made of glass. Furthermore, it only applies if the formulation of the products is identical to the products that have been subjected to the tests on which this classification is based.

4 Restrictions

This classification report does not replace any type approval or certification of the product.

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.

Erwitte, 17.09.2024

On behalf

Dipl.-Ing. Kühnen

(Deputy Head of the testing body)

