

Report of the classification of the reaction to fire behaviour

No. 231001421-3-2 dated 05.04.2022

English version

Sponsor

3M Deutschland GmbH
Carl-Schurz-Str. 1
41453 Neuss

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

Date of order: 30.03.2022

Description / name of the classified building product:

Self-adhesive films with the denomination
"3M™ Fasara™ Glass Finishes"

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

This classification report replaces the classification report no. 231001421-3 dated 05.04.2022.

1 Description of the building product

Self-adhesive films with the denomination "3M™ Fasara™ Glass Finishes". The films consist of Polyester as well as Polyester with PVC.

The individual variants of the films "3M™ Fasara™ Glass Finishes" are listed below:

- SH2SSIM-W2
Total thickness: appr. 0,10 mm
Total weight per unit area: appr. 103 g/m²
Colour: transparent, clear
- RE1SIAR
Total thickness: appr. 0,08 mm
Total weight per unit area: appr. 104 g/m²
Colour: silver (reflective)
- SH2EMCH
Total thickness: appr. 0,11 mm
Total weight per unit area: appr. 108 g/m²
Colour: translucent, white
- SH2MACRX2
Total thickness: appr. 0,13
Total weight per unit area: appr. 156 g/m²
Colour: transparent, clear
- SH2CHMAB
Total thickness: appr. 0,12 mm
Total weight per unit area: appr. 160 g/m²
Colour: transparent, grey
- SH4GIMX
Total thickness: appr. 0,16 mm
Total weight per unit area: appr. 201 g/m²
Colour: translucent, white

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	3M Deutschland GmbH Carl-Schurz-Str. 1 41453 Neuss	231001421-1-2 dated 05.04.2022	DIN EN 13823
MPA NRW	3M Deutschland GmbH Carl-Schurz-Str. 1 41453 Neuss	231001421-2-2 dated 05.04.2022	DIN EN ISO 11925-2

2.2 Test results

Test procedure	Number of tests	Parameter	Test results
DIN EN 13823	3	FIGRA _{0,2 MJ} (W/s)	8*
		FIGRA _{0,4 MJ} (W/s)	7*
		THR _{600s} (MJ)	0,9*
		LFS	< edge
		SMOGR _A (m ² /s ²)	0*
		TSP _{600s} (m ²)	13*
		Duration of the flaming dripping/dropping of particles (s)	0
DIN EN ISO 11925-2 Flame impingement: 30 s	24	F _s (mm) Flaming droplets/particles	≤ 150 no

* Average value of the three worst results of the test reports listed in clause 2.1.

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 13501-1:2019-05.

3.2 Classification

The tested material in relation to its fire behaviour is classified as: **B**
 The additional classification regarding the smoke production is: **s1**
 The additional classification regarding burning droplets / particles is: **d0**

This results in a classification of the reaction to fire behaviour of the tested material :

Fire behaviour	Smoke production	Burning droplets/particles
B	s1	d0

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

3.3 Field of product application

The classification is solely valid for the building product described in clause 1 glued to glass substrates.

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, 05.04.2022
 On behalf

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



O. Rickert
 Dipl.-Ing. Olaf Rickert
 (Administrator)

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