

Report of the classification of the reaction to fire behaviour

No. 230010123-3

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English version

Sponsor

3M Deutschland GmbH
Carl-Schurz-Strasse 1

41453 Neuss
GERMANY

Order

Reaction to fire classification according to DIN EN 13501-1

Date of order:

23 June 2015

Name of the classified building product:

Self-adhesive window decor film named „Scotchcal™ ElectroCut Graphic Film Series 7725-3xx“

This report determines the classification of the above-mentioned building product in accordance with the method specified in DIN EN 13501-1 „Fire classification of construction products and building elements - Part 1: Classification using data from reaction to fire tests; German version EN 13501-1:2007+A1:2009“, edition 2010.

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This classification report consists of 4 pages.

1. Description of the building product

The building product is a mat-transparent, self-adhesive plastic film for the use as window decor film.

Material from which the film is produced: PVC
 Adhesive type: acrylate adhesive

Total thickness (film and adhesive): approx. 102 µm.
 Total weight per unit area (film and adhesive): approx. 112.1 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	Test method
MPA NRW	3M Deutschland GmbH Customer Technical Center Carl-Schurz-Straße 1 41453 Neuss GERMANY	230010123-1 of 20.08.2015	DIN EN 13823
MPA NRW	3M Deutschland GmbH Customer Technical Center Carl-Schurz-Straße 1 41453 Neuss GERMANY	230010123-2 of 20.08.2015	DIN EN ISO 11925-2

2.2 Test results

Test method	Number of tests	Parameter	Test results	
			Continuous parameter average values	Discrete parameter
DIN EN 13823	3	FIGRA _{0,2} (W/s)	2.7	--
		FIGRA _{0,4} (W/s)	2.7	--
		THR _{600s} (MJ)	0.7	--
		LFS < outer edge	--	yes
		SMOGRA (m ² /s)	0.0	--
		TSP _{600s} (m ²)	38.3	--
		Flaming droplets / particles (s)	0	--

Test method	Number of tests	Parameter	Test results	
			Continuous parameter average values	Discrete parameter
DIN EN ISO 11925-2	6 x K and 6 x F	F _s ≤ 150 mm	--	yes
		Flaming droplets / particles	--	no

Remark: K = Tested with flame exposure to the edge, F = Tested with flame exposure to the surface

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: 2010.

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 product described in clause 1 when it is glued onto substrates made of glass.

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, 20 August 2015

Dipl.-Ing. Rademacher
 Head of the testing body



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