

Report of the classification of the reaction to fire behaviour

No. 230010169-3

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English version

Sponsor

3M Deutschland GmbH
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GERMANY

Order

Reaction to fire classification according to DIN EN 13501-1

Date of order:

10 August 2015

Name of the classified building product:

Self-adhesive film „3M™Scotchcal™ Matte Overlamine 3649 + 3M™ Scotchcal™ Graphic Film IJ25-10R“

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

Calendered PVC film with self-adhesive equipment.

Thickness: approx. 235 µm (without protective film)

Weight per unit area: approx. 304 g/m² (without protective film)

Colour of the front: white

Colour of the back: grey

It is used as floorcovering.

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

2.1 Test reports

Testing laboratory	Sponsor	Number of the test report	Test method
MPA NRW	3M Deutschland GmbH Carl-Schurz-Straße 1 41453 Neuss GERMANY	230010169-1 of 03.09.2015	DIN EN ISO 9239-1
MPA NRW	3M Deutschland GmbH Carl-Schurz-Straße 1 41453 Neuss GERMANY	230010169-2 of 03.09.2015	DIN EN ISO 11925-2

2.2 Test results

Test method	Number of tests	Parameter	Average values	Requirements fulfilled
DIN EN ISO 9239-1	4	Critical heat flux CHF (kW/m ²)	≥ 11.0	yes
		Smoke production (% x min)	46.0	yes

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

Remark: 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 12 and 14.2 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_{fl}**

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

Reaction to fire	Smoke production
B_{fl}	s1

i.e. **B_{fl} – s1**

3.3 Field of application of the product

The classification is solely valid for the product described in clause 1 when it is used as floorcovering – laid horizontally – glued onto substrates classified as class A1 or A2-s1 d0 according to DIN EN 13501-1 (reaction to fire classification).

These substrates must have a minimum thickness of 6 mm and a density of at least 1350 kg/m³.

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, 03.09.2015

On behalf



Dipl.-Ing. Rademacher
 Head of the testing body



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