

Report of the classification of the reaction to fire behaviour

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English version

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

Date of order: 02.08.2011

Notified Body no.: -0432-

Name of the classified building product:

Decorative wall covering in rolls according to DIN EN 15102.
Wall covering made of foamed PVC on substrates made of cellulose fibres or on a mixture
of cellulose and polyester fibre base

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

1 Description of the building product

1.1 Details given by the sponsor:

Decorative wall covering in rolls according to DIN EN 15102. Wall covering made of foamed PVC on substrates made of cellulose fibres or on a mixture of cellulose and polyester fibre base.

Weight per unit area substrate	approx. 85 g/m ²
Weight per unit area PVC application	approx. 103 g/m ² to 179 g/m ²
Total weight per unit area	188 g/m ² to 264 g/m ²
Overall thickness	0.2 mm to 0.5 mm
Colour	Essentially 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	Test method
MPA NRW	MARBURGER TAPETENFABRIK J. B. Schaefer GmbH & Co. KG Bertram-Schaefer-Str. 11 35274 Kirchhain	230008115-1	DIN EN 13823
MPA NRW	MARBURGER TAPETENFABRIK J. B. Schaefer GmbH & Co. KG Bertram-Schaefer-Str. 11 35274 Kirchhain	230008115-2	DIN EN ISO 11925-2

2.2 Test results

The following test results are the basis of the classification. In the above-mentioned test reports further results are listed, which have been carried out to determine the most unfavourable variants regarding their reaction to fire.

Test method	Number of tests	Parameter	Test results
DIN EN 13823	3	FIGRA _{0,2 MJ} (W/s)	128
		FIGRA _{0,4 MJ} (W/s)	74
		THR _{600s} (MJ)	1.5
		LFS	< edge
		SMOGRA (m ² /s ²)	3
		TSP _{600s} (m ²)	41
		Duration of production of flaming droplets / particles (s)	0
DIN EN ISO 11925-2	18	F _s (mm)	≤ 150
Flame impingement: 30 s		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: 2010

3.2 Classification

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

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
C	s1	d0

i.e. **C – s1, d0**

3.3 Field of application of the product

The classification is only valid for the product described in clause 1, when it is glued with wallpaper paste "Meylan spezial" – on substrates made of gypsum plasterboards or other substrates which are classified regarding their reaction to fire behaviour as class A1 and A2-s1, d0 according to DIN EN 13501-1. These substrates must have a thickness of at least 6 mm and a raw density of at least 450 kg/m³.

Remark: Currently, the product standard DIN EN 15102 does not provide regulations for an extended application of test results on product variants described in clause 1. On basis of experiences, the testing body has no objections to transfer the test results and therefore the above-mentioned classification to product variants with a lower weight per unit area and a lower thickness.

Furthermore, the testing body has no objections on basis of experiences to transfer the test results and therefore the above-mentioned classification to the application of standard cellulose paste or cellulose special paste.

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, 02.11.2011

Head of the testing body

(Dipl.-Ing. Rademacher)



Person in charge

(Dipl.-Ing. Rickert)

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