

Report of the classification of the reaction to fire performance

English version

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Sponsor

VITRULAN Textilglas GmbH
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GERMANY

Order

Classification of the reaction to fire performance according to DIN EN 13501-1

Date of order:

11 December 2006

Name of the classified building product:

Glass fabrics for use as decorative wall covering, white pigmented for weight class (200 ± 50) g/m²

This report gives the classification of the above mentioned building product in accordance to the procedure given in DIN EN 13501-1.

This classification report is issued additionally to the classification report written in German language with the same report no.. This classification report is valid only in combination with the classification report written in German language.

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This classification report consists of 5 pages.

1. Description of the building product

White pigmented glass fabric.

Total weight per unit area: approx. 278 g/m²

Weight per area of the glass fabric without finish: approx. 225 g/m²

Weight of finish: approx. 53 g/m²

Thickness: approx. 0.85 mm

Colour: white

Glued on the substrate by using approx. 400 g/m² of the adhesive "Brillux Kleber 377" and coated with approx. 340 g/m² "Brillux CreaGlas Gewebe-Finish ELF 3476", applied in two steps.

2. Test reports and test results supporting the classification

2.1 Test reports

Test laboratory	Sponsor	No. of test report	Test procedure
MPA NRW	VITRULAN Textilglas GmbH Bernecker Str. 8 95509 Marktschorgast GERMANY	230005762-8	DIN EN 13823
MPA NRW	VITRULAN Textilglas GmbH Bernecker Str. 8 95509 Marktschorgast GERMANY	230005762-9	DIN EN ISO 11925-2

2.2 Test results

Test procedure	No. of tests performed	Parameter	Test results	
			Continuous parameter Mean values	Compliance parameter
DIN EN 13823	3	FIGRA _{0,2} (W/s)	27.0	--
		THR _{600s} (MJ)	0.8	--
		LFS < edge	--	Yes
		SMOGR _A (m ² /s)	0,0	--
		TSP _{600s} (m ²)	36.3	--
		Flaming droplets/particles (s)	0	--

Test procedure	No. of tests performed	Parameter	Test results	
			Continuous parameter Mean values	Compliance parameter
DIN EN ISO 11925-2	6 x K and 6 x F	F _s ≤ 150 mm Flaming droplets/particles	-- --	Yes No

Remark: K = tested with edge exposure, F = tested with surface exposure.
 Time of flame exposure: 30 s

3. Classification and direct field of application

3.1 Reference

This classification is done in accordance to the clauses 10. and 12.1 of the standard DIN EN 13501-1: 2002.

3.2 Classification

The tested product in relation to its reaction to fire behaviour is classified as: **B**

The additional classification in relation to smoke production is: **s1**

The additional classification in relation to flaming droplets/particles is: **d0**

The classification of the reaction to fire performance is therefore:

Fire behaviour	Smoke production	Flaming droplets/particles
B	s1	d0

i.e. **B – s1, d0**

3.3 Field of application

The classification is solely valid for the product white pigmented glass fabric as described in chapter 1 under the following conditions:

- glued on substrates made out of gypsum plaster boards according to EN 520 or other substrates classified as A1 or A2 according to DIN EN 13501-1. The minimum thickness of these substrates has to be 6 mm and the minimum raw density of the substrates has to be 700 kg/m³.
- for gluing the product on the substrate the adhesive "Brillux Kleber 377" has to be used. The amount of applied adhesive has to be approx. 400 g/m².
- the coating of the glass fabric has to be done with "Brillux CreaGlas Gewebe-Finish ELF 3476". The applied amount has to be approx. 340 g/m².

4. Restrictions

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

5. Remarks

This classification report written in English language is issued additionally to the report written in German language with the same report no.. In case of doubt the German version is valid solely.

Erwitte, 12 February 2007

The engineer in charge and head of testing body



Dipl.-Ing. Rademacher
Wissenschaftlicher Angestellter



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