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## Business division III – Structural fire prevention

Head of business division: Dr.-Ing. Peter Nause

### Working group 3.1 – Fire behavior of building products

- Certified translation from German -

# Classification Report

KB 3.1/10-320-2

dated 26/11/2010 1<sup>st</sup> copy

Client: VITRULAN Textilglas GmbH  
Bernecker Strasse 8  
D-95509 Marktschorgast

Subject matter: This classification report defines the classification of the building product in compliance with the methods specified in DIN EN 13501-1.

Object: Group 5: SYSTEXX "pre-pigmented glass fleece with a coating of water-activated glue on the back" – glued onto plasterboard.

Prepared by: Dr.-Ing. W. Jank

The validity of this classification report expires on 22/03/2015.

This classification report covers 4 sheets

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## 1 Details of the classified building product

### 1.1 Description of building product

According to the client, the building product to be classified was a product of group 5: SYSTEXX „pre-pigmented glass fleece with a coating of water-activated glue on the back“, which was glued over the full surface onto plasterboard. The fabric was tested without paint coat.

The fabric had a white color.

Thickness of fabric approx. 0.27 mm

Weight per unit area approx. 219.3 g/m<sup>2</sup>

Loss on ignition =/ < 70 g/m<sup>2</sup>

## 2 Test reports and test results used as basis for classification

### 2.1 Test reports

Name of laboratory	Client	Number of test report	Test method
MFPA Leipzig GmbH	VITRULAN Textilglas GmbH	PB3.1/10-064-1 29/03/2010	DIN EN 13823
MFPA Leipzig GmbH	VITRULAN Textilglas GmbH	PB3.1/10-064-2 29/03/2010	EN ISO 11925 (30 s flaming time) Building Rule list 2009/1 issue, Annex 0.2.3

### 2.2 Test results according to DIN EN 13823 and DIN EN ISO 11925-2

Test method	Parameter	Number of tests	Test results	
			Constant parameters (average value)	Requirement met (Y/N)
EN 13823	Figra <sub>0.2 MJ</sub>	3	57.1	Y
	Figra <sub>0.4 MJ</sub>	3	7.4	
	LFS < edge	3		
	THR <sub>600s</sub> [MJ]	3	1.1	
	Smogra [m <sup>2</sup> /s <sup>2</sup> ]	3	0.0	(-)
	TSP <sub>600s</sub> [m <sup>2</sup> ]	3	20.7	
	Burning dripping down/dropping down	3	(-)	No burning dripping down/dropping down
DIN EN ISO 11925-2 area and edge flaming 30 s flaming	Fs < 150 mm	7	(-)	Y
	Burning dripping down/dropping down	7	(-)	No burning dripping down/dropping down
	Ignition of filter paper	7	(-)	No ignition

(-) not applicable

### 3 Classification and direct field of application

#### 3.1 Reference

This classification was carried out in compliance with sections 11 and 14.1 of norm DIN EN 13501-1:2007.

#### 3.2 Classification

The product of group 1: SYSTEXX „pre-pigmented glass fleece with a coating of water-activated glue on the back“ – glued onto plasterboard is classified in terms of its fire behavior: **B**

Additional classification in terms of smoke development: **s1**

Additional classification in terms of burning dripping down/dropping down: **d0**

The format of classification of the fire behavior of the building product is:

Fire behavior		Smoke develop- ment	Burning dripping down/dropping down
B	-	s1	d0

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

#### 3.3 Field of application of product

This classification is applicable to the following final application conditions:

- The product of group 5: SYSTEXX „pre-pigmented glass fleece with a coating of water-activated glue on the back“ may be used at mineral substrates with a bulk density of  $> 800 \text{ kg/m}^3 - 100 \text{ kg/m}^3$  as well as on substrates complying with Euro classes A1 and A2.
- The thickness of the fabric shall be  $\leq 0.27 \text{ mm}$ .
- The weight per unit area of the fabric may be  $\leq 223 \text{ g/m}^2$ .
- The back of the fabric shall be provided with glue which can be reactivated.
- Classification shall be applicable to fabrics with a loss on ignition of  $\leq 70 \text{ g/m}^2$ .
- Classification shall be applicable for use without paint coat.

## 4 Restrictions

- 4.1 In connection with other building materials, in particular insulation materials/other substrates or bulk density ranges other than those specified in section 3.3, the fire behavior may be affected such that the classification in section 3.2 is no longer applicable. The fire behavior in connection with other building materials or substrates or in other bulk density or thickness ranges shall be demonstrated separately.
- 4.2 If the product is provided with inflammable coatings, the fire behavior of this composite product shall be verified separately.
- 4.3 This document shall not be deemed a type approval or product certification and shall not substitute a verification of applicability according to State building regulations, if any, as required under the provisions of the German building law (State building regulations).
- 4.4 The validity of classification in section 3 of this classification report expires on 09/07/2015. The period of validity can be extended on application.

Leipzig, 26/11/2010

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Dr.-Ing. Peter Nause  
*Head of business division*

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Dipl.-Phys. I. Kotthoff  
*Head of test board*

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Dr.-Ing. W. Jank  
*Engineer in charge*

Having been publicly appointed and generally sworn in as a translator for English by the President of the Leipzig Regional Court, I hereby certify the above translation of the document submitted to me as an original in the German language to be correct and complete.

Leipzig, 13/02/2011

