

# Report of the classification of the reaction to fire performance

**No. 230007081**

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**English version**

**Sponsor :** Neschen AG  
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31675 Bückeburg

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

**Date of order:** 2 April 2009

**Notification body no.:** -0432-

**Name of the classified product:**

Wall covering named "ERFURT wallpaper"

The material was delivered from a different sponsor and with a different name.

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

**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 valid solely.**

## 1 Description of the building product

Wall covering named "ERFURT wallpaper"

The wall covering consists of a cellulose/polyester-fleece and is additionally equipped with a trapping coating for digital printing.

Total weight per unit area	approx. 190 g/m <sup>2</sup>
Weight per unit area of the fleece	approx. 180 g/m <sup>2</sup>
Weight per unit area of the coating	approx. 10 g/m <sup>2</sup>
Colour	white

The applied test procedure for the classification is stated in clause 2.1 of the listed test reports.

## 2 Test reports and test results supporting the classification

### 2.1 Test reports

Name of the laboratory	Sponsor	Number of the test report	Test procedure
MPA NRW	ERFURT & SOHN KG Hugo-Erfurt-Str. 1 42399 Wuppertal	230006994-1	DIN EN 13823
MPA NRW	ERFURT & SOHN KG Hugo-Erfurt-Str. 1 42399 Wuppertal	230006994-2	DIN EN ISO 11925-2

### 2.2 Test results

Test method	Number of tests performed	Parameter	Test results
DIN EN 13823	3	FIGRA <sub>0,2 MJ</sub> (W/s)	143
		FIGRA <sub>0,4 MJ</sub> (W/s)	127
		THR <sub>600s</sub> (MJ)	1,6
DIN EN 13823	3	LFS	< edge
		SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	4
		TSP <sub>600s</sub> (m <sup>2</sup> )	49
DIN EN 13823	3	Duration of the falling of flaming droplets / particles (s)	0
DIN EN ISO 11925-2	12	F <sub>s</sub> (mm)	<= 150
Flame exposure: 30 s		Flaming droplets / particles	no

### 3 Classification and direct field of application

#### 3.1 Reference

The classification was carried out in accordance with the clauses 11 and 14.1 of the standard DIN EN 13501-1 : 2007.

#### 3.2 Classification

The material in relation to its reaction to fire behaviour is classified as: **C**

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 of the material is therefore:

Fire behaviour	Smoke development	Flaming droplets/particles
<b>C</b>	<b>s1</b>	<b>d0</b>

d.h. **C-s1, d0**

#### 3.3 Field of application of the product

The classification is valid solely for the building product described in clause 1 – glued with commercial cellulose glue or with cellulose special glue – onto substrates made of gypsum plaster boards of euro class A1 or A2 which have a density of at least 800 kg/m<sup>3</sup>. The substrates must have a thickness of at least 6 mm. The total weight per unit area of the wall coverings must be approx. 190 g/m<sup>2</sup>.

### 4 Restrictions

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

Erwitte, 22 July 2009

Head of the testing body



(Dipl.-Ing. Rademacher)



Engineer in charge



(Dipl.-Ing. Rickert)

Date of issue of this English version: 24 July 2009