

## CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2007+A1:2009

<b>Sponsor</b>	NLXL P.O. Box 11683 2502 AR The Hague The Netherlands
<b>Prepared by</b>	Efectis Nederland BV Lange Kleiweg 5 P.O. Box 1090 NL-2280 CB RIJSWIJK The Netherlands
<b>Notified Body no.</b>	1234
<b>Product name</b>	<b>Fleece wallcovering glued on plasterboard</b>
<b>Classification report no</b>	2012-Efectis-R9326i
<b>Issue number</b>	1
<b>Date of issue</b>	September 2012
<b>Project number</b>	2012326

This classification report consists of five pages and may only be used in its entirety.

## 1. Introduction

This classification report defines the classification assigned to **Fleece wallcovering** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

## 2. Details of classified product

### 2.1 General

The product, **Fleece wallcovering**, is defined as a wallcovering.

### 2.2 Product description

The product is composed of:

- High-purity pulps
- Synthetic fibers

The wall paper is digital printed with the Xeikon.

The product has a total thickness of 0.2 mm, a mass per unit area of approx. 160 g/m<sup>2</sup>.

The wallcovering is glued with Waterbased Metylan, Henkel (Perfax), with concentrate according prescription.

### 2.3 Manufacturer/Importer

NLXL  
P.O. Box 11683  
2502 AR The Hague  
The Netherlands

## 3. Standards, reports, results and criteria in support of this classification

### 3.1 Applicable (product) standards

EN 15102:2007	Decorative wallcoverings - Roll and panel form products
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### 3.2 Reports

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV The Netherlands	NLXL The Netherlands	2012-Efectis-R9326g 2012-Efectis-R9326h	EN ISO 11925-2:2010 EN 13823:2010

### 3.3 Test results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN-ISO 11925-2				
surface flame impingement	Fs ≤150 mm [mm]	6	43	-
	Ignition of filter paper		-	Compliant
edge flame impingement	Fs ≤150 mm [mm]	6	39	-
	Ignition of filter paper		-	Compliant
EN 13823				
	FIGRA <sub>0.2MJ</sub> [W/s]	3	81	-
	FIGRA <sub>0.4MJ</sub> [W/s]		40	-
	THR <sub>600s</sub> [MJ]		1.3	-
	LFS < edge		-	Compliant
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		0.7	-
	TSP <sub>600s</sub> [m <sup>2</sup> ]		35	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant

### 3.4 Classification criteria

Classification criteria of the Single Burning Item (SBI) test			
Class	Fire	Class	Smoke
A2	FIGRA <sub>0.2 MJ</sub> ≤ 120 W/s LFS < edge of the long wing specimen THR <sub>600s</sub> ≤ 7,5 MJ	s1	SMOGRA ≤ 30 m <sup>2</sup> /s <sup>2</sup> TSP <sub>600s</sub> ≤ 50 m <sup>2</sup>
B	FIGRA <sub>0.2 MJ</sub> ≤ 120 W/s LFS < edge of the long wing specimen THR <sub>600s</sub> ≤ 7,5 MJ	s2	SMOGRA ≤ 180 m <sup>2</sup> /s <sup>2</sup> TSP <sub>600s</sub> ≤ 200 m <sup>2</sup>
C	FIGRA <sub>0.4 MJ</sub> ≤ 250 W/s LFS < edge of the long wing specimen THR <sub>600s</sub> ≤ 15 MJ	<b>Class</b>	<b>Droplets</b>
		d0	No flaming droplets/particles
D	FIGRA ≤ 750 W/s	d1	Flaming droplets/particles < 10 s
		d2	Not d0 or d1

## 4. Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with clause 11 of EN 13501-1:2007+A1:2009.

### 4.2 Classification

The product, **Fleece wallcovering**, in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s1**

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

**d0**

**Reaction to fire classification: B - s1, d0**

### 4.3 Field of application

This classification is valid for the following product parameters:

- Thickness 0.2 mm
- Surface density 160 g/m<sup>2</sup>
- Other properties different prints digital printed with the Xeikon

This classification is valid for the following end use applications:

- Substrate minimum class A2 according to EN 13238:2010
- Air gap none
- Methods and means of fixing gluing
- Joints vertical joints
- Other aspects of end use conditions glued with Waterbased Metylan, Henkel (Perfax)

#### 4.4 Duration of the validity of this classification report

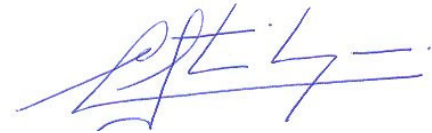
There are no limitations in time on the validity of this report.

#### 5. Limitations

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

A handwritten signature in blue ink, appearing to read 'A.J. Lock', written over a horizontal line.

A.J. Lock  
Project leader reaction to fire

A handwritten signature in blue ink, appearing to read 'C.C.M. Steinhage', written over a horizontal line.

C.C.M. Steinhage B.Sc  
Project leader reaction to fire

## CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2007+A1:2009

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<b>Notified Body no.</b>	1234
<b>Product name</b>	<b>Fleece wallcovering with PET coating glued on plasterboard</b>
<b>Classification report no</b>	2012-Efectis-R9326I
<b>Issue number</b>	1
<b>Date of issue</b>	September 2012
<b>Project number</b>	2012326

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## 1. Introduction

This classification report defines the classification assigned to **Fleece wallcovering with PET coating** in accordance with the procedures given in EN 13501-1:2007+A1:2009.

## 2. Details of classified product

### 2.1 General

The product, **Fleece wallcovering with PET coating**, is defined as a wallcovering.

### 2.2 Product description

The product is composed of:

- High-purity pulps
- Synthetic fibers
- Coated with a matte Silver colour PET

The wall paper is digital printed with the Xeikon.

The product has a total thickness of 0.22 mm, a mass per unit area of approx. 185 g/m<sup>2</sup>.

The wallcovering is glued with Waterbased Metylan, Henkel (Perfax), with concentrate according prescription.

### 2.3 Manufacturer/Importer

NLXL  
P.O. Box 11683  
2502 AR The Hague  
The Netherlands

## 3. Standards, reports, results and criteria in support of this classification

### 3.1 Applicable (product) standards

EN 15102:2007	Decorative wallcoverings - Roll and panel form products
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### 3.2 Reports

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV The Netherlands	NLXL The Netherlands	2012-Efectis-R9326j 2012-Efectis-R9326k	EN ISO 11925-2:2010 EN 13823:2010

### 3.3 Test results

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
EN-ISO 11925-2				
surface flame impingement	Fs ≤150 mm [mm]	6	53	-
	Ignition of filter paper		-	Compliant
edge flame impingement	Fs ≤150 mm [mm]	6	39	-
	Ignition of filter paper		-	Compliant
EN 13823				
	FIGRA <sub>0.2MJ</sub> [W/s]	3	45	-
	FIGRA <sub>0.4MJ</sub> [W/s]		17	-
	THR <sub>600s</sub> [MJ]		0.9	-
	LFS < edge		-	Compliant
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		0.0	-
	TSP <sub>600s</sub> [m <sup>2</sup> ]		25	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		-	Compliant Compliant

### 3.4 Classification criteria

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The additional classification in relation to smoke production is:

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

**d0**

**Reaction to fire classification: B - s1, d0**

### 4.3 Field of application

This classification is valid for the following product parameters:

- Thickness 0.22 mm
- Surface density 185 kg/m<sup>2</sup>
- Other properties different prints digital printed with the Xeikon

This classification is valid for the following end use applications:

- Substrate minimum class A2 according to EN 13238:2010
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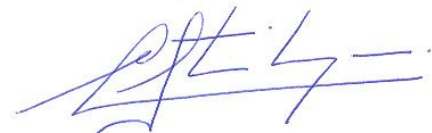
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