

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

<b>Sponsor</b>	Vescom BV P.O. Box 70 NL-5750 AB DEURNE 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>Vescom vinyl wallcovering with a total weight of approx. 550 g/m<sup>2</sup> glued on CaSil board</b>
<b>Classification report no</b>	2012-Efectis-R9438b
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<b>Project number</b>	2012438 and 2008601

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 **Vescom vinyl wallcovering with a total weight of approx. 550 g/m<sup>2</sup>** in accordance with the procedures given in EN 13501-1: 2007+A1:2009.

## 2. Details of classified product

### 2.1 General

The product, **Vescom vinyl wallcovering with a total weight of approx. 550 g/m<sup>2</sup>**, is defined as a wallcovering product.

### 2.2 Product description

According to the sponsor the product is composed of a vinyl topcoat of approx. 510 g/m<sup>2</sup> and a cotton backing of 40 g/m<sup>2</sup> (total weight approx 550 g/m<sup>2</sup>). The product is glued on CaSil substrate as defined in EN 13238 using the special adhesive "Vescom 2000"

### 2.3 Manufacturer/Importer

Vescom BV  
P.O. Box 70  
NL-5750 AB DEURNE  
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	Vescom B.V., The Netherlands	2008-Efectis-R0430 2008-Efectis-R0431	EN ISO 11925-2:2002 EN 13823:2002

#### 3.3 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN 13823	FIGRA <sub>0.2MJ</sub> [W/s]	3	101	-
	FIGRA <sub>0.4MJ</sub> [W/s]		92	-
	THR <sub>600s</sub> [MJ]		2.3	-
	LFS < edge		-	Compliant
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		94	-
	TSP <sub>600s</sub> [m <sup>2</sup> ]		162	-
	Flaming debris		-	Compliant
EN-ISO 11925-2 surface flame impingement	Fs ≤150 mm	6	-	Compliant
	Ignition of filter paper		-	Compliant
EN-ISO 11925-2 edge flame impingement	Fs ≤150 mm	6	-	Compliant
	Ignition of filter paper		-	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	Class	Droplets
		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, **Vescom vinyl wallcovering with a total weight of approx. 550 g/m<sup>2</sup>**, in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s2**

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

**d0**

**Reaction to fire classification: B - s2, d0**

### 4.3 Field of application

This classification is valid for the following product parameters:

- Surface density 550 g/m<sup>2</sup>  
(510 g/m<sup>2</sup> vinyl topcoat and 40 g/m<sup>2</sup> cotton backing)

This classification is valid for the following end use applications:

- Substrate non-combustible (class A1/A2, according to EN 13501-1)
- Methods and means of fixing glued to the substrate according to the manufacturer's instructions, using the special adhesive "Vescom 2000"
- Joints vertical joints
- End use conditions wallcovering

### 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.

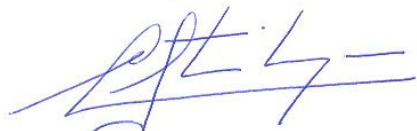
The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive.

The manufacturer has made a declaration, which is held on file. This confirms that the product's design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.



A.J. Lock  
Project leader reaction to fire



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