

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

**Sponsor** Vescom BV

P.O. Box 70

NL-5750 AB DEURNE The Netherlands

**Prepared by** Efectis Nederland BV

Lange Kleiweg 5 P.O. Box 1090

NL-2280 CB RIJSWIJK

The Netherlands

Notified Body no. 1234

Product name Vescom vinyl wallcovering with a total weight of approx.

460 g/m<sup>2</sup> glued on paper faced plasterboard

Classification report no 2012-Efectis-R9438d

Issue number 1

Date of issue November 2012

**Project numbers** 2012438 and 2010237

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 a **Vescom vinyl** wallcovering with a total weight of approx. **460** g/m<sup>2</sup> glued on paper faced plasterboard 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 460 g/m<sup>2</sup> glued on paper faced plasterboard, is defined as a wallcovering.

## 2.2 Product description

The product is composed of a vinyl topcoat of approx.  $420 \text{ g/m}^2$  and a cotton backing of approx.  $40 \text{ g/m}^2$  (total weight approx.  $460 \text{ g/m}^2$ ). The product is glued on paper faced plasterboard 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
---------------	---

## 3.2 Reports

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV	Vescom B.V.,	2010-Efectis-R0933	EN ISO 11925-2:2002
The Netherlands	The Netherlands	2010-Efectis-R0934	EN 13823:2002

## 3.3 Test results

	Parameter	No. tests	Results	
Test method & test number			Continuous parameter - mean (m)	Compliance parameters
EN 13823	FIGRA <sub>0.2MJ</sub> [W/s]	3	81	-
	FIGRA <sub>0.4MJ</sub> [W/s]		50	-
	THR <sub>600s</sub> [MJ]		1.9	•
	LFS < edge		-	Compliant
	SMOGRA $[m^2/s^2]$		62	
	$TSP_{600s}$ $[m^2]$		99	-
	Flaming debris		-	Compliant
EN-ISO 11925-2	Fs ≤150 mm		56	Compliant
surface flame impingement Ignition of filter paper		6	-	Compliant
EN-ISO 11925-2	Fs ≤150 mm		48	Compliant
edge flame impingement	Ignition of filter paper	6	-	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> $\leq$ 120 W/s LFS $\leq$ edge of the long wing specimen THR <sub>600s</sub> $\leq$ 7,5 MJ	s1	$SMOGRA \le 30 \text{ m}^2/\text{s}^2$ $TSP_{600s} \le 50 \text{ m}^2$			
В	FIGRA <sub>0.2 MJ</sub> $\leq$ 120 W/s LFS $\leq$ edge of the long wing specimen THR <sub>600s</sub> $\leq$ 7,5 MJ	s2	SMOGRA ≤ 180 m <sup>2</sup> /s <sup>2</sup> TSP <sub>600s</sub> ≤ 200 m <sup>2</sup>			
	FIGRA <sub>0.4 MJ</sub> ≤ 250 W/s	Class	Droplets			
С	LFS < edge of the long wing specimen	d0	No flaming droplets/particles			
	THR <sub>600s</sub> ≤ 15 MJ	d1	Flaming droplets/particles < 10 s			
D	FIGRA ≤ 750 W/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 460 g/m<sup>2</sup> glued on paper faced plasterboard**, in relation to its reaction to fire behaviour is classified:

В

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 460 g/m<sup>2</sup>

(420 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 minimum class 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