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

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|---|---|
| **Sponsor** | Vescom BV<br>P.O. Box 70<br>NL-5750 AB DEURNE<br>The Netherlands |
| **Prepared by** | Efectis Nederland BV<br>Lange Kleiweg 5<br>P.O. Box 1090<br>NL-2280 CB RIJSWIJK<br>The Netherlands |
| **Notified Body no.** | 1234 |
| **Product name** | **Vescom vinyl wallcovering with a total weight of approx. 460 g/m$^2$ 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$^2$ 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$^2$ 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 g/m$^2$ and a cotton backing of approx. 40 g/m$^2$ (total weight approx. 460 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<br>The Netherlands | Vescom B.V.,<br>The Netherlands | 2010-Efectis-R0933<br>2010-Efectis-R0934 | EN ISO 11925-2:2002<br>EN 13823:2002 |

### 3.3 Test results

| Test method & test number | Parameter | No. tests | Results | |
|---|---|---|---|---|
| | | | Continuous parameter - mean (m) | Compliance parameters |
| EN 13823 | $FIGRA_{0.2MJ}$ [W/s] | 3 | 81 | - |
| | $FIGRA_{0.4MJ}$ [W/s] | | 50 | - |
| | $THR_{600s}$ [MJ] | | 1.9 | - |
| | LFS < edge | | - | Compliant |
| | SMOGRA [$m^2/s^2$] | | 62 | - |
| | $TSP_{600s}$ [$m^2$] | | 99 | - |
| | Flaming debris | | - | Compliant |
| EN-ISO 11925-2 surface flame impingement | Fs ≤150 mm | 6 | 56 | Compliant |
| | Ignition of filter paper | | - | Compliant |
| EN-ISO 11925-2 edge flame impingement | Fs ≤150 mm | 6 | 48 | Compliant |
| | Ignition of filter paper | | - | Compliant |

### 3.4 Classification criteria

| Classification criteria of the Single Burning Item (SBI) test | | | |
|---|---|---|---|
| **Class** | **Fire** | **Class** | **Smoke** |
| A2 | $FIGRA_{0.2\ MJ}$ ≤ 120 W/s<br>LFS < edge of the long wing specimen<br>$THR_{600s}$ ≤ 7,5 MJ | s1 | SMOGRA ≤ 30 $m^2/s^2$<br>$TSP_{600s}$ ≤ 50 $m^2$ |
| B | $FIGRA_{0.2\ MJ}$ ≤ 120 W/s<br>LFS < edge of the long wing specimen<br>$THR_{600s}$ ≤ 7,5 MJ | s2 | SMOGRA ≤ 180 $m^2/s^2$<br>$TSP_{600s}$ ≤ 200 $m^2$ |
| C | $FIGRA_{0.4\ MJ}$ ≤ 250 W/s<br>LFS < edge of the long wing specimen<br>$THR_{600s}$ ≤ 15 MJ | **Class** | **Droplets** |
| | | d0 | No flaming droplets/particles |
| | | 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/m² glued on paper faced plasterboard**, 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:

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| - Surface density | 460 g/m$^2$<br>(420 g/m$^2$ vinyl topcoat and 40 g/m$^2$ 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.

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