

## CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1:2018

Classification no.	2023-Efectis-R000709
Sponsor	Vescom B.V. Sint Jozefstraat 20 5753 AV DEURNE THE NETHERLANDS
Product name	<b>Vinyl Wallcovering 350 g/m<sup>2</sup></b>
Prepared by	Efectis Nederland BV
Notified body no.	1234
Author(s)	D. van Dijk B.Eng. A. González Santamaría M.Sc. A.H.L.M. Zwinkels B.Sc.
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## 1. INTRODUCTION

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This classification report defines the classification assigned to **Vinyl Wallcovering 350 g/m<sup>2</sup>** in accordance with the procedures given in EN 13501-1:2018.

## 2. DETAILS OF CLASSIFIED PRODUCT

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### 2.1 GENERAL

The product, **Vinyl Wallcovering 350 g/m<sup>2</sup>**, is defined as a wall covering.

### 2.2 MANUFACTURER/IMPORTER

Vescom B.V.  
Sint Jozefstraat 20  
5753 AV DEURNE  
THE NETHERLANDS

### 2.3 PRODUCT DESCRIPTION

According to the sponsor the product is composed of:

- vinyl wallcovering with a thickness of 0.20 mm and with a mass per unit area (surface density) of 310 g/m<sup>2</sup>;
- woven cotton backing with a thickness of 0.25 mm and a surface density of 40 g/m<sup>2</sup>;
- glued with Vescom 3000 wallcovering paste with a surface density of 300 g/m<sup>2</sup> (wet and liquid form before application);
- Colour white.

The product has a total thickness of 0.45 mm, a density of approx. 778 kg/m<sup>3</sup> and a surface density of 0.350 kg/m<sup>2</sup>. Including (dry) adhesive the surface density is approx. 0.430 kg/m<sup>2</sup>.

## 3. STANDARDS, REPORTS, RESULTS AND CRITERIA IN SUPPORT OF THIS CLASSIFICATION

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### 3.1 APPLICABLE (PRODUCT) STANDARDS

EN ISO 11925-2:2020	Reaction to fire tests - Ignitability of products subjected to direct impingement of flame - Part 2: Single-flame source test
EN 13823:2020	Reaction to fire tests for building products - Building products, excluding floorings exposed to the thermal attack by a single burning item
EN 13238:2010	Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates
EN 13501-1:2018	Fire classification of construction products and building elements Part 1: Classification using data from reaction to fire tests
EN 15102:2007+A1:2011	Decorative wall coverings - Roll and panel form products

## 3.2 REPORTS

Name of Laboratories	Name of sponsor	Report ref. no.	Test method
Efectis Nederland BV THE NETHERLANDS	Vescom B.V. THE NETHERLANDS	2023-Efectis-R000715 2023-Efectis-R000622	EN ISO 11925-2:2020 EN 13823:2020

## 3.3 TEST RESULTS

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – maximum	Compliance with parameters
<b>EN ISO 11925-2</b>				
Surface flame impingement	Fs ≤150 mm	6	45	-
	Ignition of filter paper		-	Compliant
Edge flame Impingement	Fs ≤150 mm	6	50	-
	Ignition of filter paper		-	Compliant

Test method and test number	Parameter	No. tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
<b>EN 13823</b>				
	FIGRA <sub>0.2MJ</sub> [W/s]	3	56	-
	FIGRA <sub>0.4MJ</sub> [W/s]		0	-
	THR <sub>600s</sub> [MJ]		1.1	-
	LFS < edge		-	Compliant
	SMOGRA [m <sup>2</sup> /s <sup>2</sup> ]		2.5	-
	TSP <sub>600s</sub> [m <sup>2</sup> ]		46	-
	Flaming debris - flaming ≤ 10 s - flaming > 10 s		- -	Compliant Compliant

### 3.4 CLASSIFICATION CRITERIA

<b>Fire classification of construction products and building elements</b> Excluding floorings and linear pipe thermal insulation products			
<b>Classification criteria</b>			
Class	<b>B</b>	<b>C</b>	<b>D</b>
Test method(s)			
<b>EN ISO 11925-2</b> Exposure = 30 s	F <sub>s</sub> ≤ 150 mm within 60 s Ignition of the paper in EN ISO 11925-2 results in a d2 classification.		
<b>EN 13823</b>	FIGRA <sub>0.2 MJ</sub> ≤ 120 W/s LFS < edge of specimen THR <sub>600s</sub> ≤ 7.5 MJ	FIGRA <sub>0.4 MJ</sub> ≤ 250 W/s LFS < edge of specimen THR <sub>600s</sub> ≤ 15 MJ	FIGRA <sub>0.4 MJ</sub> ≤ 750 W/s
<b>Additional classification</b>			
Smoke production	<b>s1</b> = SMOGRA ≤ 30 m <sup>2</sup> /s <sup>2</sup> and TSP <sub>600s</sub> ≤ 50 m <sup>2</sup> ; <b>s2</b> = SMOGRA ≤ 180 m <sup>2</sup> /s <sup>2</sup> and TSP <sub>600s</sub> ≤ 200 m <sup>2</sup> ; <b>s3</b> = not s1 or s2		
Flaming Droplets/particles	<b>d0</b> = no flaming droplets/ particles in EN 13823 within 600 s ; <b>d1</b> = no flaming droplets/ particles persisting longer than 10 s in EN 13823 within 600 s ; <b>d2</b> = 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 13501-1:2018.

### 4.2 CLASSIFICATION

The product, **Vinyl Wallcovering 350 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:

**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	0.45 mm
Surface density	approx. 0.350 kg/m <sup>2</sup> , glue wet/dry: 0.3 / 0.08 kg/m <sup>2</sup>
Colour	White
Texture	Not embossed

This classification is valid for the following end use applications:

Substrate	Promatect®-H, Non-combustible calcium silicate board, 12 mm thickness (reaction to fire class A1/A2, 870 ± 50 kg/m <sup>3</sup> , according to EN 13238:2010)
Application	Wallcovering
Air gap	Not applicable
Methods and means of fixing	Glued to the substrate according to the manufacturer's instructions using 300 g/m <sup>2</sup> (wet) of the wallcovering paste Vescom 3000
Joints	Vertical

### 4.4 DURATION OF THE VALIDITY OF THIS CLASSIFICATION REPORT

Consult classification standard and national laws and regulations for limitations on the period of validity of the classification.

## 5. LIMITATIONS

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

The classification assigned to the product in this report is within the context of system 1 **Assessment and Verification of Consistency of Performance (AVCP)** and **CE marking** under the **Construction Products Regulation**.



D. van Dijk B.Eng.  
Project leader Reaction to Fire



A.H.L.M. Zwinkels B.Sc.  
Project leader Reaction to Fire



A. González Santamaría M.Sc.  
Project leader Reaction to Fire