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**CLASSIFICATION**

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

| | |
|---|---|
| Classification no. | 2024-Efectis-R001444 |
| Sponsor | Vescom B.V.<br>Sint Jozefstraat 20<br>5753 AV DEURNE<br>THE NETHERLANDS |
| Product name | **Porak+print** |
| Prepared by | Efectis Nederland BV |
| Notified body no. | 1234 |
| Author(s) | A. González Santamaría M.Sc.<br>B. Cok B. Sc. |
| Project number | ENL-24-001196 |
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## 1. INTRODUCTION

This classification report defines the classification assigned to **Porak+print** in accordance with the procedures given in EN 13501-1:2018.

## 2. DETAILS OF CLASSIFIED PRODUCT

### 2.1 GENERAL

The product, **Porak+print**, 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 from inside out composed of:
40% recycled polyester weave, coated on two sides with acrylate, FR treated. Glued with Vescom 2500 wallcovering paste with an amount of 200 g/m$^2$ (wet and liquid form before application). The product has a thickness of 0.35 mm and a surface density of 330 g/m$^2$.

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

### 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+A1:2022 | 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<br>Part 1: Classification using data from reaction to fire tests |
| EN 15102:2019 | 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<br>THE NETHERLANDS | Vescom B.V.<br>THE NETHERLANDS | 2024-Efectis-R001142<br>2024-Efectis-R001143 | EN ISO 11925-2:2020<br>EN 13823:2020+A1:2022 |

## 3.3 TEST RESULTS

| Test method and test number | Parameter | No. tests | Results | |
|---|---|---|---|---|
| | | | Continuous parameter – maximum | Compliance with parameters |
| **EN ISO 11925-2** | | | | |
| Surface flame impingement | Fs ≤150 mm | 6 | 60 | - |
| | Ignition of filter paper | | - | Compliant |
| Edge flame Impingement | Fs ≤150 mm | 6 | 60 | - |
| | Ignition of filter paper | | - | Compliant |
| **EN 13823** | | | | |
| | $FIGRA_{0.2MJ}$ [W/s] | 3 | 0 | - |
| | $FIGRA_{0.4MJ}$ [W/s] | | 0 | - |
| | $THR_{600s}$ [MJ] | | 0.8 | - |
| | LFS < edge | | - | Compliant |
| | SMOGRA [$m^2/s^2$] | | 84.9 | - |
| | $TSP_{600s}$ [$m^2$] | | 87 | - |
| | Flaming debris<br>- flaming ≤ 10 s<br>- flaming > 10 s | | <br>-<br>- | <br>Compliant<br>Compliant |

### 3.4 CLASSIFICATION CRITERIA

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

### 4.2 CLASSIFICATION

The product, **Porak+print**, 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

### 4.3.1 Direct field of application

This classification is valid for the following product parameters:

| | |
|---|---|
| Thickness | 0.35 mm |
| Surface density | 330 g/m$^2$ |
| Colour | Any colour with or without print |

This classification is valid for the following end use applications:

| | |
|---|---|
| Substrate | Non-combustible<br>(class A1/A2, 870 kg/m³, according to EN 13238:2010)<br>(Minimum class A2, 870 kg/m³, according to EN 13238:2010) |
| Application | Wall covering |
| Air gap | Not applicable |
| Methods and means of fixing | Glued to the substrate according to the manufacturer's instructions using 200 g/m$^2$ (wet) of the wallcovering paste Vescom 2500 |
| 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

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**.

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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