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

Classification no. 2022-Efectis-R000986
Sponsor Vescom B.V.
Sint Jozeefstraat 20
5753 AV Deurne
The Netherlands
Product name Morris wallcovering
Prepared by Efectis Nederland BV
Notified body no. 1234
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1. INTRODUCTION

This classification report defines the classification assigned to Morris wallcovering in accordance with the procedures given in EN 13501-1:2018.

2. DETAILS OF CLASSIFIED PRODUCT

2.1 GENERAL

The product, Morris wallcovering, is defined as a wall covering.

2.2 MANUFACTURER

Vescom B.V.
Sint Jozefstraat 20
5753 AV Deurne
The Netherlands

2.3 THE NETHERLANDS PRODUCT DESCRIPTION

According to the sponsor the product is composed of:
- Polyester fabric with a mass per unit area of approx. 160 g/m²;
- Non woven backing with a mass per unit area of approx. 120 g/m²;
- Glued with adhesive Vescom 2000 with a wet mass per unit area of approx. 200 g/m²;
- Suede texture and colour brown.

The product has a total thickness of approx. 1.5 mm and a mass per unit area of approx. 330 g/m².

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 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 15102:2019 Decorative wall coverings – Roll and panel form products
### 3.3 TEST RESULTS

<table>
<thead>
<tr>
<th>Test method and test number</th>
<th>Parameter</th>
<th>No. tests</th>
<th>Results</th>
<th>Compliance with parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN ISO 11925-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Surface flame impingement</td>
<td>Fs ≤150 mm</td>
<td>6</td>
<td>35</td>
<td>-</td>
</tr>
<tr>
<td>Ignition of filter paper</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Edge flame impingement</td>
<td>Fs ≤150 mm</td>
<td>6</td>
<td>35</td>
<td>Compliant</td>
</tr>
<tr>
<td>Ignition of filter paper</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EN 13823</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIGRA$_{0.2MJ}$</td>
<td>[W/s]</td>
<td>3</td>
<td>120</td>
<td>-</td>
</tr>
<tr>
<td>FIGRA$_{0.4MJ}$</td>
<td>[W/s]</td>
<td></td>
<td>97</td>
<td>-</td>
</tr>
<tr>
<td>THR$_{600s}$</td>
<td>[MJ]</td>
<td></td>
<td>1.5</td>
<td>-</td>
</tr>
<tr>
<td>LFS &lt; edge</td>
<td></td>
<td></td>
<td></td>
<td>Compliant</td>
</tr>
<tr>
<td>SMOGRA</td>
<td>[m$^2$/s$^2$]</td>
<td></td>
<td>0.0</td>
<td>-</td>
</tr>
<tr>
<td>TSP$_{600s}$</td>
<td>[m$^2$]</td>
<td></td>
<td>31</td>
<td>-</td>
</tr>
<tr>
<td>Flaming debris</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- flaming ≤ 10 s</td>
<td></td>
<td></td>
<td></td>
<td>Compliant</td>
</tr>
<tr>
<td>- flaming &gt; 10 s</td>
<td></td>
<td></td>
<td></td>
<td>Compliant</td>
</tr>
</tbody>
</table>
### 3.4 CLASSIFICATION CRITERIA

#### Fire classification of construction products and building elements

Excluding floorings and linear pipe thermal insulation products

<table>
<thead>
<tr>
<th>Classification criteria</th>
<th>Test method(s)</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EN ISO 11925-2</strong></td>
<td>Exposure = 30 s</td>
<td>$F_s \leq 150 \text{ mm within 60 s}$</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EN 13823</strong></td>
<td></td>
<td>$\text{FIGRA}_{0.2 \text{MJ}} \leq 120 \text{ W/s}$</td>
<td>$\text{FIGRA}_{0.4 \text{MJ}} \leq 250 \text{ W/s}$</td>
<td>$\text{FIGRA}_{0.4 \text{MJ}} \leq 750 \text{ W/s}$</td>
</tr>
<tr>
<td></td>
<td>LFS $&lt; $ edge of specimen</td>
<td>LFS $&lt; $ edge of specimen</td>
<td>LFS $&lt; $ edge of specimen</td>
<td>THR$_{600s} \leq 7.5 \text{ MJ}$</td>
</tr>
</tbody>
</table>

**Additional classification**

| Smoke production | $s_1 = \text{SMOGRA} \leq 30 \text{ m}^2/\text{s}^2$ and $\text{TSP}_{600s} \leq 50 \text{ m}^2$; | | | |
| | $s_2 = \text{SMOGRA} \leq 180 \text{ m}^2/\text{s}^2$ and $\text{TSP}_{600s} \leq 200 \text{ m}^2$; | | | |
| | $s_3 = $ not $s_1$ or $s_2$ | | | |

| Flaming Droplets/particles | $d_0 = $ no flaming droplets/particles in EN 13823 within 600 s; | | | |
| | $d_1 = $ no flaming droplets/particles persisting longer than 10 s in EN 13823 within 600 s; | | | |
| | $d_2 = $ not $d_0$ or $d_1$. | | | |

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### 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, **Morris wallcovering**, 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**: 1.5 mm
- **Colour**: Brown
- **Texture**: Suede
- **Surface density**: 330 g/m$^2$

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, 870 ± 50 kg/m$^3$, 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 200 g/m$^2$ (wet) of the special adhesive Vescom 2000
- **Joints**: Vertical, type edge to edge

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 appropriate to a declaration of conformity by the manufacturer within the context of system 3 Assessment and Verification of Consistency of Performance (AVCP) and CE marking under the Construction Products Regulation.

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 AVCP 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.