CLASSIFICATION OF REACTION TO FIRE PERFORMANCE IN ACCORDANCE WITH EN 13501-1: 2007

Sponsor
Forbo Novilon B.V.
De Holwert 12
NL-7741 KC COEVORDEN
The Netherlands

Prepared by
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Notified Body no.
1234

Product name
Forbo Novibat 2S2 vinyl floor covering

Classification report no
2010-Efectis-R0545

Issue number
1

Date of issue
May 2010

Project number
2010101/128

This classification report consists of four pages and may only be used in its entirety.

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1. Introduction

This classification report defines the classification assigned to **Forbo Novibat 2S2 vinyl floor covering** in accordance with the procedures given in EN 13501-1:2007 and EN 653.

2. Details of classified product

2.1 General

The product, **Forbo Novibat 2S2 vinyl floor covering**, is defined as a floor covering.

2.2 Product description

The product is a floor covering family according to EN 653 with a thickness/surface density range of 1.7 mm/1450 g/m² to 3.2 mm/2300 g/m².
- The floor covering is made of heterogeneous PVC;
- The base of the floor covering is an impregnated glass fleece web;
- The backing of the floor covering consists of a white coloured mechanical foam layer;
- The floor covering is provided with a 0.7 mm thick top layer, under which an imitation print is applied.

2.3 Manufacturer/Importer

Forbo Novilon B.V.
De Holwert 12
NL-7741 KC COEVORDEN
The Netherlands

3. Test reports & test results in support of classification

3.1 Test reports

<table>
<thead>
<tr>
<th>Name of Laboratories</th>
<th>Name of sponsor</th>
<th>Test reports</th>
<th>Test method</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Netherlands</td>
<td>The Netherlands</td>
<td>2005-CVB-R0219</td>
<td>EN ISO 9239-1:2002</td>
</tr>
</tbody>
</table>
### 3.2 Test results

<table>
<thead>
<tr>
<th>Test method &amp; test number</th>
<th>Parameter</th>
<th>No. tests</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Continuous parameter - mean (m)</td>
</tr>
<tr>
<td>TNO-reports: 2004-CVB-R0328 and 2005-CVB-R0219</td>
<td>Fs ≤150 mm [mm] Ignition of filter paper</td>
<td>6</td>
<td>84 and 68</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>-</td>
</tr>
<tr>
<td>EN ISO 9239-1</td>
<td>Critical Heat Flux [kW/m²]</td>
<td>3</td>
<td>9.4 and 8.6</td>
</tr>
<tr>
<td></td>
<td>Smoke density [% min]</td>
<td></td>
<td>84 and 156</td>
</tr>
</tbody>
</table>

### 4. Classification and field of application

#### 4.1 Reference of classification

This classification has been carried out in accordance with clause 12 of EN 13501-1:2007

#### 4.2 Classification

The product, **Forbo Novibat 2S2 vinyl floor covering**, in relation to its reaction to fire behaviour is classified:

\[ \text{B}_{\text{fl}} \]

The additional classification in relation to smoke production is:

\[ \text{s1} \]

**Reaction to fire classification: \text{B}_{\text{fl}} - \text{s1}**
4.3  Field of application

This classification is valid for the following product parameters:

- Thickness/Surface density 1.7 mm/1450 g/m² to 3.2 mm/2300 g/m²

This classification is valid for the following end use applications:

- Substrate non-combustible (class A1, ISO 390 and EN 13238: 2001 par. 5.1.2 (1800 ± 200 kg/m³ – 6 mm)
- Methods and means of fixing Forbo vinyl adhesive
  Amount approx. 0.3 to 0.4 kg/m² (wet)
- Joints no joints

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.

Ing. C.C.M. Steinhage

A.J. Lock

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