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

Notified Body No:
0833

Product Names:
“Spacia Click (commercial)” & “Amtico International Underlay 19”

Report No:
317167

Issue No:
1

Prepared for:
Amtico International
Kingfield Road
Coventry
CV6 5AA

Date:
11th April 2011
1. **Introduction**

This classification report defines the classification assigned to “Spacia Click (commercial)” & “Amtico International Underlay 19” a luxury vinyl floor tile tested over an underlay, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. **Details of classified product**

2.1 **General**

The product “Spacia Click (commercial)” & “Amtico International Underlay 19” a luxury vinyl floor tile tested over an underlay, is defined as being suitable for floor covering applications.

2.2 **Product description**

The product “Spacia Click (commercial)” & “Amtico International Underlay 19” a luxury vinyl floor tile tested over an underlay, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

<table>
<thead>
<tr>
<th>General description</th>
<th>Luxury vinyl flooring tested with underlay which was tested loose laid over a fibre cement board substrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall product reference</td>
<td>“Spacia Click (commercial)” &amp; “Amtico International Underlay 19”</td>
</tr>
</tbody>
</table>
| Overall thickness | 6mm (stated by sponsor)  
5.95mm (determined by Exova Warringtonfire) |
| Overall weight per unit area | 8500g/m² (stated by sponsor)  
9673g/m² (determined by Exova Warringtonfire) |
| Product configuration | • Flooring  
• Underlay  
• Substrate |
| Floor Covering (Test face) | |
| Product reference | “Spacia Click (commercial)” |
| Generic type | Vinyl tile |
| Name of manufacturer | Amtico International |
| Weight per unit area | 8400g/m² (stated by sponsor)  
9574g/m² (determined by Exova Warringtonfire) |
| Thickness | 5mm (stated by sponsor)  
4.99mm (determined by Exova Warringtonfire) |
| Colour | “Brown” (observed by Exova Warringtonfire) |
| Flame retardant details | See Note 1 Below |

| Underlay | |
| Product reference | “Amtico International Underlay 19” |
| Generic type | Crosslinked polyolefines and copolymers |
| Name of manufacturer | Amtico International |
| Thickness | 1mm (stated by sponsor)  
0.96mm (determined by Exova Warringtonfire) |
| Colour | “Black” |
| Weight per unit area | 100g/m² (stated by sponsor)  
99g/m² (determined by Exova Warringtonfire) |
| Flame retardant details | See Note 1 Below |

Continued on next page
Trade name “NT D4 604”
Generic type Fibre cement board
Supplier Scheerders van de Kerkhove (SVK)
Thickness 6mm
Density 1800kg/m³
Flame retardant details The substrate is inherently flame retardant

Brief description of manufacturing process of the floor covering
Heat laminated PVC forming loose-lay click together vinyl tiles

Note 1: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product.

3. Test reports & test results in support of classification

3.1 Test reports

<table>
<thead>
<tr>
<th>Name of Laboratory</th>
<th>Name of sponsor</th>
<th>Test reports/ extended application report Nos.</th>
<th>Test method / extended application rules &amp; date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exova Warringtonfire</td>
<td>Amtico International</td>
<td>WF 317070</td>
<td>EN ISO 11925-2</td>
</tr>
<tr>
<td>Exova Warringtonfire</td>
<td>Amtico International</td>
<td>WF 317071</td>
<td>EN ISO 9239-1</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>Continuous parameter - mean (m)</th>
<th>Compliance with parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN ISO 9239-1</td>
<td>Critical flux</td>
<td>3</td>
<td>9.9</td>
<td>Compliant</td>
</tr>
<tr>
<td></td>
<td>Smoke</td>
<td></td>
<td>424.22</td>
<td>Compliant</td>
</tr>
<tr>
<td>EN ISO 11925-2</td>
<td>$F_s$</td>
<td>6</td>
<td>23.3</td>
<td>Compliant</td>
</tr>
<tr>
<td></td>
<td>Flaming droplets/ particles</td>
<td>6</td>
<td>None</td>
<td>Compliant</td>
</tr>
<tr>
<td>EN ISO 11925-2</td>
<td>$F_s$</td>
<td>6</td>
<td>35</td>
<td>Compliant</td>
</tr>
<tr>
<td></td>
<td>Flaming droplets/ particles</td>
<td></td>
<td>None</td>
<td>Compliant</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 9 of EN 13501-1:2007+A1: 2009.
4.2 Classification

The product “Spacia Click (commercial)” & “Amtico International Underlay 19” a luxury vinyl floor tile tested over an underlay, in relation to its reaction to fire behaviour is classified:

\[ \text{BFL} \]

The additional classification in relation to smoke production is:

\[ s1 \]

The format of the reaction to fire classification for floorings is:

<table>
<thead>
<tr>
<th>Fire Behaviour</th>
<th>Smoke Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>BFL</td>
<td>s</td>
</tr>
</tbody>
</table>

i.e. \( \text{BFL} - s1 \)

4.3 Field of application

This classification is valid for the following end use applications:

i) Flooring applications, used over any substrate with a density equal to or greater than 1800Kg/m³, having a minimum thickness of 6mm and a fire performance of A2FL or better.

This classification is also valid for the following product parameters:

- Floorcovering thickness: No variation allowed
- Floorcovering weight per unit area: No variation allowed
- Floorcovering composition: No variation allowed
- Floorcovering construction: No variation allowed
- Underlay thickness: No variation allowed
- Underlay weight per unit area: No variation allowed
- Underlay composition: No variation allowed
- Underlay construction: No variation allowed

**SIGNED**

Matthew Dale
Certification Engineer

Janet Murrell
Technical Manager

**APPROVED**

Matthew Dale
Certification Engineer

Janet Murrell
Technical Manager

on behalf of: Exova Warringtonfire

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