

## ***Reaction to fire classification report Nr 14955C***

### **Owner of the classification report**

TAPETEX BV  
Churchillaan 10  
5705 BK Helmond  
THE NETHERLANDS

### **Name of distributor**

VESCOM BV  
Sint-Jozefstraat 20  
5750 AB Deurne  
THE NETHERLANDS

### **Introduction**

This classification report defines the classification assigned to the product **'Tapetex Wall Material two-layer nonwoven'** in accordance with the procedures given in the standard EN 13501-1+A1: 2009: Fire classification of construction products and building elements - Part 1: classification using data from reaction to fire tests.

**This classification report consists of 6 pages**

## 1. DETAILS OF CLASSIFIED PRODUCT

### a) Nature and end use application

The product **Tapetex Wall Material two-layer nonwoven** is defined as a 'wall covering nonwoven'.

Its classification is valid for the following end use application(s):

'Used as an interior, decorative wall covering'.

### b) Description

|  |                         |   |
|--|-------------------------|---|
| General description  |                         | Wall paper two-layer nonwoven glued onto a gypsum board using a textile glue presented by the sponsor |
| Product reference of wall paper                                  |                         | LABREF L - 2110404  |
| Overall wall paper thickness                                     |                         | 0,60 mm   |
| Manufacturer of wall paper                                       |                         | Tapetex bv  |
| Overall wallcovering weight per unit area                        |                         | 450 g/m <sup>2</sup>  |
| Batch reference of wall paper                                    |                         | L – 2110404   |
| Range reference of wall paper                                    |                         | L – 63  |
| Pattern reference of wall paper                                  |                         | L - 63  |
| Colour reference of wall paper (as determined by warringtonfire) |                         | Bronze  |
| Composition  |                         | Consists of a blend of cellulosic and polyester fibres  |
| Coating  | Generic type            | EVA   |
|  | Name of manufacturer    | Tapetex bv  |
|  | Application method      | Screen  |
|  | Curing process          | Hot air   |
|  | Flame retardant details | None  |
| Adhesive   | Product reference       | Perfax  |
|  | Generic type            | A vinyl and textile glue  |
|  | Name of manufacturer    | Henkel  |
|  | Application rate        | 200 g/m <sup>2</sup>  |
|  | Application method      | Brush   |
|  | Flame retardant details | None  |
| Substrate  | Product reference       | Gypsum plasterboard   |
|  | Generic type            | Gypsum board with a 2mm thick coating of gypsum finish plaster  |
|  | Name of manufacturer    | Gyproc  |
|  | Thickness               | 12,5 mm   |
|  | Density                 | 700 kg/m <sup>3</sup>   |
|  | Flame retardant details | None  |

## 2. TEST REPORTS AND TEST RESULTS IN SUPPORT OF THIS CLASSIFICATION

### a) Test reports

| Name of the laboratory       | Name of the sponsor                    | Test report ref. Nr. | Test method                       |
|------------------------------|--|----------------------|-----------------------------------|
| WFRGENT nv<br>Ghent, Belgium | TAPETEX BV<br>Helmond, The Netherlands | 14955B               | EN 13823<br>(February 2002)       |
| WFRGENT nv<br>Ghent, Belgium | TAPETEX BV<br>Helmond, The Netherlands | 14955A               | EN ISO 11925-2<br>(February 2002) |

### b) Test results

| Test method   | Parameter  | Number of tests | Results                    |                       | Criteria for Class B-s1,d0 |                       |
|---|--|-----------------|----------------------------|-----------------------|----------------------------|-----------------------|
|   |  |                 | Continuous parameters Mean | Compliance parameters | Continuous parameters      | Compliance parameters |
| EN ISO 11925-2 (*)<br>30s flame application:<br><u>Surface exposure</u><br>- front side<br><u>Edge exposure</u><br>- front side | $F_s \leq 150\text{mm}$<br>Ignition filter paper     | 6               | (-)<br>(-)                 | Yes<br>No             | (-)<br>(-)                 | Yes<br>No             |
|   | $F_s \leq 150\text{mm}$<br>Ignition filter paper     | 6               | (-)<br>(-)                 | Yes<br>No             | (-)<br>(-)                 | Yes<br>No             |
|   | FIGRA <sub>0,2 MJ</sub> (W/s)                        | 3               | 86                         | (-)                   | $\leq 120$                 | (-)                   |
|   | FIGRA <sub>0,4 MJ</sub> (W/s)                        |                 | 61                         | (-)                   | $\leq 120$                 | (-)                   |
| EN 13823  | LFS <sub>&lt;edge</sub>                              |                 | (-)                        | Yes                   | (-)                        | Yes                   |
|   | THR <sub>600s</sub> (MJ)                             |                 | 1,7                        | (-)                   | $\leq 7,5$                 | (-)                   |
|   | SMOGR <sub>A</sub> (m <sup>2</sup> /s <sup>2</sup> ) |                 | 0                          | (-)                   | $\leq 30$                  | (-)                   |
|   | TSP <sub>600s</sub> (m <sup>2</sup> )                |                 | 30                         | (-)                   | $\leq 50$                  | (-)                   |
|   | Flaming droplets/particles                           |                 |                            |                       |                            |                       |
|   | f<10s  |                 | (-)                        | No                    | (-)                        | No                    |
|   | f>10s  |                 | (-)                        | No                    | (-)                        | No                    |

(-) Not applicable

(\*) The material did not melt nor pull away from the pilot burner.



### 3. CLASSIFICATION AND DIRECT FIELD OF APPLICATION

a) Reference and direct field of application

This classification has been carried out in accordance with EN 13501-1+A1: 2009 and EN 15102: 2007.

b) Classification

The product **Tapetex Wall Material two-layer nonwoven** in relation to its reaction to fire behavior is classified as:

| Fire behavior | Smoke production | Flaming droplets |
|---------------|------------------|------------------|
| <b>B</b>      | <b>s1</b>        | <b>d0</b>        |

c) Field of application

This classification for the product as described in §1b, is valid for the following end use conditions :

- Substrate: Euroclass A2-s1, d0 or better with a nominal thickness of at least 12mm and a nominal density of at least 525 kg/m<sup>3</sup>
- Backing: Euroclass A2-s1, d0 or better with a nominal thickness of at least 9mm and a nominal density of at least 652,5 kg/m<sup>3</sup>
- Without a void
- Fixing: The wall paper is glued (200 g/m<sup>2</sup>) on the substrate.
- No joints

This classification is valid for the following product parameters:

- Nominal surface mass wall paper: 450 g/m<sup>2</sup>
- Colour: 'bronze'

#### 4. RESTRICTIONS

At the time the standard EN 13501-1+A1:2009 was published, no decision was made concerning the duration of validity of a classification report.

#### 5. WARNING



This classification report does not represent type approval nor certification of the product.

The following statement is included in accordance with Fire Sector Group Recommendation 001rev2:

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of a system 3 attestation of conformity and CE marking under the Construction Products Directive.

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 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references to the manufacturer's factory production control that is aimed to be relevant to the samples tested and that will provide for their traceability.

| Report                                | Name             | Signature (*)  | Date        |
|---------------------------------------|------------------|--|-------------|
| Prepared by                           | ir. K. CATRY     |  | 25 MEI 2011 |
| Reviewed by                           | dr. ir. B. SETTE |  | 25 MEI 2011 |
| (*) For and on behalf of "WFRGENT nv" |                  |  |             |

EN 13501-1 B-C-D WG 3E\*

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