

Reaction to fire classification report No. 16208C

Owner of the classification report

TAPETEX bv
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The Netherlands

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The Netherlands

Introduction

This classification report defines the classification assigned to the product '**Tapetex – 64 Linen Wall Material**' in accordance with the procedures given in the standard EN 13501-1:2007+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 – 64 Linen Wall Material** is defined as 'wall paper'.

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

'used as decorative material for interior applications'.

b) Description

| | Nominal value |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product | |
| Material | The tested product is Tapetex – 64 Linen Wall Material, a woven textile of cellulosic fibres (line, cotton, viscose) on a paper backing of 70% woodpulp reinforced with 30% polyester and with a maximum weight of approx 650 g/m ² . |
| Manufacturer | TAPETEX bv |
| Thickness (mm) | 0,9 |
| Surface mass (g/m ²) | 650 |
| Shape / Structure | Rough-textured woven on the fire exposed side (see image below)  |
| Colour | White |
| Use of fire retardants | 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. No. | Test method |
|------------------------------|----------------------------------------|----------------------|-----------------------------------|
| WFRGENT nv Ghent, Belgium | TAPETEX bv Helmond, The Netherlands | 16208B | EN 13823 (July 2010) |
| WFRGENT nv Ghent, Belgium | TAPETEX bv Helmond, The Netherlands | 16208A | EN ISO 11925-2 (November 2010) |

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 (*) 30s flame application: <u>Surface exposure</u> - front side <u>Edge exposure</u> - front side | $F_s \leq 150\text{mm}$ Ignition filter paper | 6 | (-) (-) | Yes Yes | (-) (-) | Yes Yes |
| | $F_s \leq 150\text{mm}$ Ignition filter paper | 6 | (-) (-) | Yes Yes | (-) (-) | Yes Yes |
| | FIGRA _{0,2 MJ} (W/s) | 3 | 65 | (-) | ≤ 120 | (-) |
| | FIGRA _{0,4 MJ} (W/s) | | 35 | (-) | ≤ 120 | (-) |
| LFS _{-edge} | (-) | | Yes | (-) | Yes | |
| THR _{600s} (MJ) | 1,8 | | (-) | $\leq 7,5$ | (-) | |
| SMOGR _A (m ² /s ²) | 0 (**) | | (-) | ≤ 30 | (-) | |
| TSP _{600s} (m ²) | 32 (**) | | (-) | ≤ 50 | (-) | |
| Flaming droplets/particles | | | | | | |
| f<10s | (-) | Yes | (-) | Yes | | |
| f>10s | (-) | Yes | (-) | Yes | | |

(-) Not applicable

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

(**) Smoke value was corrected according to § A.6.1.2 of EN 13823: 2010 'Note'

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: 2007+A1: 2009 and EN 15102+A1: 2011.

b) Classification

The product **Tapetex – 64 Linen Wall Material** in relation to its reaction to fire behavior is classified as:

| Fire behavior | Smoke production | Flaming droplets |
|---------------|------------------|------------------|
| B | s1 | d0 |

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 thickness of at least 12 mm and a density of at least 525 kg/m³
- Backing board: Euroclass A2-s1,d0 or better with a thickness of at least 9 mm and a density of at least 652,5 kg/m³
- Without a void
- Fixing: The product was glued (Perfax Vinyl/textile glue; 200 g/m²) onto the substrate. The backing board was placed behind the substrate.
- No joints

This classification is valid for the following product parameters:

- Nominal thickness : 0,9 mm
- Surface mass: 650 g/m²
- Colour: White
- Shape / structure: Rough-textured woven on the fire exposed side

4. RESTRICTIONS

At the time the standard EN 13501-1:2007+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 classification assigned to the product in this report is appropriate to a Declaration of Performance (DoP) of the essential characteristics of the construction product by the manufacturer within the context of a System 3 Assessment and Verification of Constancy of Performance (AVCP).

Under the Construction Products Regulation (CPR: EU 305/2011), such a Declaration of Performance (DoP) is a requirement for affixing the CE marking.



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 a System 3 Assessment and Verification of Constancy of Performance (AVCP) is appropriate.

The test laboratory has played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide evidence for the traceability of the samples tested.

EN 13501-1:2007+A1:2009: Annex B Reaction to fire classification report § 5 Limitations: "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, supplied by the manufacturer, to provide for traceability of the samples tested."

| Report | Name | Signature (*) | Date |
|---------------------------------------|--------------|------------------------------------------------------------------------------------|--------------|
| Prepared by | I. LAMMERTYN |  | 24 SEP. 2013 |
| Reviewed by | ir. K. CATRY |  | 24 SEP. 2013 |
| (*) For and on behalf of "WFRGENT nv" | | | |

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