

# Reaction to fire classification report

Issuing laboratory: WFRGENT NV

Classification standard: EN 13501-1: 2018

Report owner(s): TAPETEX BV

Product(s): Tapetex woven textiles of animal fibers (silk, wool) and cellulosic fibers (linen, cotton, viscose) on a paper backing of 70% woodpulp reinforced with 30% polyester

Tested quality: 69-2422

Report number: 22965J

Version: 1

## Quality management

Version	Summary of amendments including reasons	
1	Description	Initial issue
Name Signature	Prepared by	Authorised by
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*Signed for and on behalf of WFRGENT NV		

The authenticity of the electronic signatures is assured by Belgium Root CA.

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## 1. Introduction

This classification report defines the classification assigned to Tapetex woven textiles of animal fibers (silk, wool) and cellulosic fibers (linen, cotton, viscose) on a paper backing of 70% woodpulp reinforced with 30% polyester. Tested quality: 69-2422, in line with the procedures given in EN 13501-1: 2018.

WFRGENT NV (Warringtonfire) issued the classification report at the request of the report owner listed in Table 1.

**Table 1 Report owner details**

Entity	Address
<b>Report owner</b>	
TAPETEX BV	Churchillaan 10 Helmond, 5705 BK The Netherlands

## 2. Details of classified product

### 2.1 General

The product(s), Tapetex woven textiles of animal fibers (silk, wool) and cellulosic fibers (linen, cotton, viscose) on a paper backing of 70% woodpulp reinforced with 30% polyester. Tested quality: 69-2422, are defined as being suitable for construction applications excluding floorings and linear pipe thermal insulation.

The related harmonised product standard is EN 15102:2007+A1:2011.

## 2.2 Product description

The product(s), Tapetex woven textiles of animal fibers (silk, wool) and cellulosic fibers (linen,cotton, viscose) on a paper backing of 70% woodpulp reinforced with 30% polyester. Tested quality: 69-2422 , are described in Table 2 and in the test reports listed in Section 3.1.

**Table 2 Product description**

Nominal values (1)	
<b>Tapetex woven textiles of animal fibers (silk, wool) and cellulosic fibers (linen,cotton, viscose) on a paper backing of 70% woodpulp reinforced with 30% polyester</b>	
<b>Tested quality: 69-2422</b>	
Manufacturer/Supplier	Tapetex B.V.
Total thickness (mm)	0,4
<i>Thickness backing (mm)</i>	0,2
<i>Thickness top layer (mm)</i>	0,2
Total surface mass (g/m <sup>3</sup> )	225
<i>Surface mass backing (g/m<sup>2</sup>)</i>	90
<i>Surface mass top layer (g/m<sup>2</sup>)</i>	135
Ratio animal fibers: cellulose fibers (kg/kg)	(2)
Colour	White
Surface texture	Flat woven
Use of fire retardants	No
<b>Mounting and fixing</b>	
<b>Substrate (provided by the sponsor)</b>	
Type of product	Calcium silicate board in accordance with EN 13238:2010 (standard substrates for reaction to fire tests).
Manufacturer	Promat/ PROMATECT®-100
Thickness (mm)	12 (1)
Density (kg/m <sup>3</sup> )	870 (1)
Use of fire retardants	No
Colour	White
Reaction to fire behaviour	A1 according to DOP Nr 0749-CPR-06/0219-2018/1.
<b>Fixation of the wall covering (onto the substrate)</b>	
Application method	Glued onto the substrate. The glue was spread out all over the surface using a glue trowel.
Commercial name of the used glue	Perfax Wandlijm Vinyl en Textiel
Type of glue (generic description)	Starch and resin dispersion
Applied amount of glue (g/m <sup>2</sup> ; wet)	200

(1) Based on the information given by the sponsor

(2) Known by the laboratory

## 3. Test reports and test results in support of classification

### 3.1 Test reports

Table 3 details the test reports that have been used in support of classification.

**Table 3 Test reports**

Name of laboratory	Name of sponsor(s)	Test report no.	Test date	Test and extended application standard
Warringtonfire	TAPETEX BV	22965G	13 July 2023	EN ISO 11925-2: 2020
Warringtonfire	TAPETEX BV	22965H	01 July 2023, 03 July 2023	EN 13823: 2020 + A1: 2022

### 3.2 Test results

#### 3.2.1 Official test results used for the classification

Table 4 details the test results that have been used in support of classification. The fire performance parameters for class B - s1, d0 can be found in Table 6.

**Table 4 Test data**

Test method Report number	Parameter	Number of tests	Results	
			Continuous parameters	Compliance with parameters
EN ISO 11925-2: 2020 (30s exposure - Edge) 22965G	$F_s \leq 150$ mm within 60 s	6	-	Compliant
	No ignition of the paper		-	Compliant
EN ISO 11925-2: 2020 (30s exposure - Surface) 22965G	$F_s \leq 150$ mm within 60 s	6	-	Compliant
	No ignition of the paper		-	Compliant
EN 13823: 2020 + A1: 2022 22965H	FIGRA (THR(t) threshold of 0.2MJ)	3	0	-
	FIGRA (THR(t) threshold of 0.4MJ)		0	-
	THR <sub>600s</sub> (MJ)		0.6	-
	LFS < edge of specimen		-	Compliant
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )		0	-
	TSP <sub>600s</sub> (m <sup>2</sup> )		16	-
	No flaming droplets/particles persisting shorter than 10 s in EN 13823 within 600s		-	Compliant
	No flaming droplets/particles persisting longer than 10 s in EN 13823 within 600s		-	Compliant

Note: ‘-’ symbol confirms this parameter is not applicable.

## 4. Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with EN 13501-1:2018.

### 4.2 Classification

The product Tapetex woven textiles of animal fibers (silk, wool) and cellulosic fibers (linen, cotton, viscose) on a paper backing of 70% woodpulp reinforced with 30% polyester. Tested quality: 69-2422 in relation to its reaction to fire behavior is classified as:

B

The additional classification in relation to smoke production is:

s1

The additional classification in relation to flaming droplets / particles is:

d0

The format of the reaction to fire classification for construction applications excluding floorings and linear pipe thermal insulation products is:

Fire behaviour		Smoke production		Flaming droplets		
B	-	s	1	,	d	0

Alternatively shown:

**Reaction to fire classification: B - s1, d0**

## 4.3 Field of application

The classification for the product described in Section 2.2 of this report is valid for end-use applications described in Table 5.

**Table 5 End-use applications**

End use	Description	Origin
Substrate	Any substrate with a density equal to or greater than 652.5 kg/m <sup>3</sup> , a minimum thickness of 9 mm and a fire performance of A2-s1, d0 or better (excluding paper faced gypsum plasterboard).	As per EN 13238: 2010, clause 5.3 and EGOLF recommendation 045-2018.
Airgap	No air gap allowed	N/A
Joints	Vertical joints permitted	N/A
Fixing method	Product is glued onto substrate using "Perfax Wandlijm Vinyl en Textiel" or any other starch and resin dispersion based (generic type) glue in an amount of 200 g/m <sup>2</sup> . The glue is spread out all over the surface using a glue trowel.	N/A

This classification is valid for the following product parameters:

- Nominal total thickness: 0,4 mm
  - *Thickness backing: 0,2 mm*
  - *Thickness top layer: 0,2 mm*
- Nominal total surface mass: 225 g/m<sup>2</sup>
  - *Surface mass backing: 90 g/m<sup>2</sup>*
  - *Surface mass top layer: 135 g/m<sup>2</sup>*
- Colour: White
- Use of flame retardants: No
- Surface structure: flat woven
- Ratio animal fibers: cellulose fibers (kg/kg): known by the laboratory.
- Specifications (composition) of the toplayer and backing can be found in Table 2



## 4.4 Fire performance parameters for B - s1, d0

All the products described in Section 2.2 and within the field of application defined in Section 4.3 comply with the fire performance parameters shown in Table 6. The test results can be found in Section 3.2.

**Table 6 Fire performance parameters for B - s1, d0**

Test method	Parameter	Continuous parameters	Compliance with parameters
EN ISO 11925-2: 2020 (30s exposure)	Extent of flame spread	-	Fs ≤ 150 mm within 60 s
	Flaming droplets / particles that ignite filter paper	-	No ignition of the paper
EN 13823: 2020 + A1: 2022	FIGRA (THR(t) threshold of 0.2MJ)	FIGRA <sub>0,2MJ</sub> ≤ 120 W/s	-
	FIGRA (THR(t) threshold of 0.4MJ)	-	-
	THR <sub>600s</sub> (MJ)	THR <sub>600s</sub> ≤ 7,5 MJ	-
	Lateral flame spread to edge of test specimen?	-	LFS < edge of specimen
	SMOGRA (m <sup>2</sup> /s <sup>2</sup> )	SMOGRA ≤ 30m <sup>2</sup> /s <sup>2</sup>	-
	TSP <sub>600s</sub> (m <sup>2</sup> )	TSP <sub>600s</sub> ≤ 50m <sup>2</sup>	-
	Fall of flaming droplets/particles < 10s?	-	No flaming droplets/particles persisting shorter than 10 s in EN 13823 within 600s
	Fall of flaming droplets/particles > 10s?	-	No flaming droplets/particles persisting longer than 10 s in EN 13823 within 600s

Note: ‘-’ symbol confirms this parameter is not applicable.

## 5. Restrictions

At the time the standard EN 13501-1: 2018 was published, no decision was made about the duration of validity of a classification report.

Provisions of Regulation (EU) 305/2011, commonly known as the Construction Products Regulation (CPR), prevail over any conflicting provisions in the harmonised standards and technical specifications.

## 6. Limitations

The classification assigned to the product in this report is appropriate to a Declaration of Performance (DoP) by the manufacturer within the context of System 3 of AVCP and CE marking under the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products.

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 result, the manufacturer has concluded that System 3 attestation is appropriate.

The test laboratory 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.

## 7. Validity

This document is the original version of this classification report and is written in English. In case of doubt the original version prevails over a translation.

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The classification results relate to the behaviour of a product under the particular conditions of the test(s); they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use, nor can the classification results be extrapolated and applied to other products, or imply suitability for use in configurations not specifically detailed in the classification report. The classification is based on the information available to Warringtonfire at the time of the report. Should conflicting or contradictory evidence become available, Warringtonfire reserves the right to unconditionally withdraw the classification report forthwith upon giving written notice of the same.

Reports are statements of fact prepared in accordance with the referenced version of the standards stated in Section 3 of this report. Test, classification and extended application are based upon the information provided to Warringtonfire. Warringtonfire takes no responsibility for the accuracy or completeness of such information.

The results stated in this classification report apply to the test specimens as received and/or specified in the referenced/supporting test reports. Any differences in composition, production process, thickness, density or colour of the product may significantly affect the performance and will therefore invalidate the application of the test and classification results to the variant product. It is recommended that any proposed variation to the tested configuration or product should be referred to the report owner. The report owner should then obtain appropriate documentary evidence of compliance from Warringtonfire or another accredited testing authority. The supplier of the product is responsible for ensuring that the product which is supplied for use is identical to the test specimens that were tested.

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This document does not represent type approval or certification of the product. Warringtonfire does not give an opinion nor is it Warringtonfire's responsibility to determine or state whether the product meets any particular fire or life safety standards as set out in the Building Regulations or any other appropriate document.



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