

First additional Reaction to fire classification report No. 16174B

Owner of the classification report

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Introduction

This classification report defines the classification assigned to the product **'Wallpaper S FR Decor 02/04/05'** 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 **Wallpaper S FR Decor 02/04/05** is defined as 'decorative wall cladding'. Its classification is valid for the following end use application(s):
'Glued as wall cladding for walls and ceilings'.

b) Description

The product "**Wallpaper S FR Decor 02/04/05**" consists of a vinyl based wall cladding with a paper backing. The vinyl layer has got a surface mass of 210 g/m². The paper backing has got a surface mass of 90 g/m².

	Nominal value
Surface mass (g/m ²)	300

Mounting: The product is glued onto a calcium silicate backing board (12,5 mm; 870 kg/m³) with BK10-PVA adhesive (200 g/m²).

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	Information available in the laboratory	9634 12700D 12700E	EN 13823 (February 2002)
WFRGENT nv Ghent, Belgium	Information available in the laboratory	12700A 12700B 12700C	EN ISO 11925-2 (February 2002)
WFRGENT nv Ghent, Belgium	Information available in the laboratory	12700G	EXAP according to CEN/TS 15117

b) Test results

Test method	Parameter	Number of tests	Results		Criteria for Class B-s2,d0	
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters
EN ISO 11925-2 (*) (1) 30 s flame application: <u>Surface exposure</u> - front side <u>Edge exposure</u> - front side	$F_s \leq 150$ mm	6	(-)	Yes	(-)	Yes
	Ignition filter paper		(-)	No	(-)	No
	$F_s \leq 150$ mm	6	(-)	Yes	(-)	Yes
	Ignition filter paper		(-)	No	(-)	No
EN 13823 (2)	FIGRA _{0,2 MJ} (W/s)	3	95	(-)	≤ 120	(-)
	FIGRA _{0,4 MJ} (W/s)		(-)	(-)	(-)	(-)
	LFS _{<edge}		(-)	Yes	(-)	Yes
	THR _{600s} (MJ)		1,5	(-)	$\leq 7,5$	(-)
	SMOGRA (m ² /s ²)		18	(-)	≤ 180	(-)
	TSP _{600s} (m ²)		67	(-)	≤ 200	(-)
	Flaming droplets/particles f < 10 s		(-)	No	(-)	No
	f > 10 s		(-)	No	(-)	No
EN ISO 11925-2 (*) (3) 30 s flame application: <u>Surface exposure</u> - front side <u>Edge exposure</u> - front side	$F_s \leq 150$ mm	6	(-)	Yes	(-)	Yes
	Ignition filter paper		(-)	No	(-)	No
	$F_s \leq 150$ mm	6	(-)	Yes	(-)	Yes
	Ignition filter paper		(-)	No	(-)	No
EN 13823 (4)	FIGRA _{0,2 MJ} (W/s)	3	18	(-)	≤ 120	(-)
	FIGRA _{0,4 MJ} (W/s)		(-)	(-)	(-)	(-)
	LFS _{<edge}		(-)	Yes	(-)	Yes
	THR _{600s} (MJ)		1,8	(-)	$\leq 7,5$	(-)
	SMOGRA (m ² /s ²)		7	(-)	≤ 180	(-)
	TSP _{600s} (m ²)		55	(-)	≤ 200	(-)
	Flaming droplets/particles f < 10 s		(-)	No	(-)	No
	f > 10 s		(-)	No	(-)	No

(-) Not applicable.

(*) The material didn't melt nor pull away from the pilot burner.

- (1) Based on the results obtained in test report No. 12700A, "Wallpaper S FR Decor 02/04/05" white, Design 2013
- (2) Based on the results obtained in test report No. 9634, "Wallpaper S FR Decor 02/04/05" white, Design 2013
- (3) Based on the results obtained in test report No. 12700B, "Wallpaper S FR Decor 02/04/05" black, Design 2193
- (4) Based on the results obtained in test report No. 12700D, "Wallpaper S FR Decor 02/04/05" black, Design 2193

Test method	Parameter	Number of tests	Results		Criteria for Class B-s2,d0	
			Continuous parameters Mean	Compliance parameters	Continuous parameters	Compliance parameters
EN ISO 11925-2 (*) (5) 30 s flame application: <u>Edge exposure</u> - front side	$F_s \leq 150$ mm Ignition filter paper	6	(-) (-)	Yes No	(-) (-)	Yes No
EN 13823 (6)	FIGRA _{0,2 MJ} (W/s) FIGRA _{0,4 MJ} (W/s) LFS _{<edge} THR _{600s} (MJ) SMOGRA (m ² /s ²) TSP _{600s} (m ²) Flaming droplets/particles f < 10 s f > 10 s	2	15 (-) (-) 1,7 8 56 (-) (-)	(-) (-) Yes (-) (-) (-) No No	≤ 120 (-) (-) $\leq 7,5$ ≤ 180 ≤ 200 (-) (-)	(-) (-) Yes (-) (-) (-) No No

(-) Not applicable.

(*) The material didn't melt nor pull away from the pilot burner.

(5) Based on the results obtained in test report No. 12700C, "Wallpaper S FR Decor 02/04/05" red, Design 2423

(6) Based on the results obtained in test report No. 12700E, "Wallpaper S FR Decor 02/04/05" red, Design 2423

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 prEN 15102:2004.

b) Classification

The product **Wallpaper S FR Decor 02/04/05** in relation to its reaction to fire behavior is classified as:

Fire behavior	Smoke production	Flaming droplets
B	s2	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 nominal thickness of at least 9 mm and a nominal density of at least 652,5 kg/m³.
- Without airgap
- Fixing: Glued with BK10-PVA adhesive (200 g/m²)
- With joints

This classification is valid for the following product parameters:

- Nominal surface mass: 300 g/m²
- All colours

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 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.

SIGNED


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This document is a translation into English of the first additional classification report No. 16174B, originally issued in German. This translated first additional classification report has been issued under the responsibility of and checked by WFRGENT nv. This translation is issued according to the "Interpretations of the European standard EN ISO/IEC 17025: 2005/AC: 2006" which applies to fire test laboratories, as defined in the EGOLF agreement EGA 08: 2012.

In case of doubt, the original version in German prevails.

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