

Additional reaction to fire classification report No. 16736K

Owner of the additional classification report

BN International bv
Rokerijweg 5
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The Netherlands

Introduction

This additional classification report defines the classification assigned to the product '**BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED**' 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 additional classification report consists of 8 pages

This report is additional to that issued as No. 16736F, dated 03/02/2015. This report is drafted in accordance with the regulations of EGOLF Agreement EGA 08rev2:2013 "Application note: clause 5.10 / 4-2 – Amendment of reports: client changing product/company names (ii) for commercial reasons – Issue of additional reports". The original report remains valid and is not replaced by this report. The product has not been retested and this report does not involve technical changes or technical reviews of the original report. The original and the new name of the product and of the company commercially responsible for the product, as well as the declarations concerning this additional report, are documented by the laboratory and maintained in the laboratory records.

1. DETAILS OF CLASSIFIED PRODUCT

a) Nature and end use application

The product **BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED** is defined as a 'decorative wall covering'.

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

Used for attaching onto walls or ceilings by means of an adhesive.

b) Description of the tested product

This description is based on information given by the sponsor.

Nominal values	
BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED	
Type of product	The tested product is wall covering consisting of a non-woven fabric backing coated with a polyvinyl chloride (PVC) layer with or without ink (non solvent based) and with an acrylic top coating.
Manufacturer	BN International bv
Total thickness (mm)	(1)
Total surface mass (g/m ²)	355 ± 45
Non-woven fabric backing	
Type of product	Non-woven fabric backing
Manufacturer	(2)
Thickness (mm)	0,19 ± 0,03
Surface mass (g/m ²)	90
Use of fire retardants	No
Coating: PVC layer	
Type of product	The product consists of a PVC layer with or without ink (non solvent based) and with an acrylic top coating.
Manufacturer	BN International bv
Thickness (mm)	(1)
Surface mass (g/m ²)	270
Use of fire retardants	No
Colour	White (code 00842), red (code 05010) and dark brown (code 03602).

(1) The sponsor has declared that the thickness depends on the grade of embossing.

(2) Not communicated by the sponsor.

Mounting and fixing	
Substrate	
Type of product	Calcium silicate board
Thickness (mm)	12
Density (kg/m ³)	870
Fixation of the wall covering	
Application method	The product BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED was glued onto the substrate.
Type of glue	Heavy duty wall covering adhesive BK 10
Amount of glue (g/m ²)	250 ± 50
Test specifications: EN 13823	
The product was tested with a closed vertical joint at 200 mm from the inner corner.	
Test specifications: EN ISO 11925-2	
The product was tested freehanging.	

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	BN International bv Huizen, The Netherlands	16736B, 16736C	EN ISO 11925-2 (November 2010/AC:2011)
WFRGENT nv Ghent, Belgium	BN International bv Huizen, The Netherlands	16736D, 16736E	EN 13823 (July 2010+A1:2014)
WFRGENT nv Ghent, Belgium	BN International bv Huizen, The Netherlands	16736G	EXAP according to CEN/TS 15117 (August 2005)

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 (*) (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	76	(-)	≤ 120	(-)	
	FIGRA _{0,4 MJ} (W/s)		12	(-)	(-)	(-)	
	LFS _{<edge}		(-)	Yes	(-)	Yes	
	THR _{600s} (MJ)		1,4	(-)	$\leq 7,5$	(-)	
	SMOGRA (m ² /s ²)		1 (**)	(-)	≤ 30	(-)	
	TSP _{600s} (m ²)		46 (**)	(-)	≤ 50	(-)	
	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.

(**) Smoke value was corrected according to § A.6.1.2 of EN 13823:2010 'Note' (p.34).

(1) Based on the results obtained in test report No. 16736C – BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (Red).

(2) Based on the results obtained in test report No. 16736E – BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (Red).

	$F_s \leq 150$ mm	Ignition filter paper	Average maximal flame spread (mm)
Sample 1: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (white)	Yes	No	29,2
Sample 2: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (red)	Yes	No	37,5
Sample 3: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (dark brown)	Yes	No	36,7

Based on the results obtained in test report No. 16736B: only edge exposure was performed.

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	FIGRA (W/s)	THR _{600S} (MJ)	SMOGRA (m ² /s ²)	TSP _{600S} (m ²)
Sample 1a: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (white)	65	1,5	9	77
Sample 1b: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (white)	58	1,5	10	74
Average sample 1: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (white)	62	1,5	10	76
Sample 2a: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (red)	63	1,4	8	61
Sample 2b: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (red)	101	1,6	9	63
Average sample 2: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (red)	82	1,5	9	62
Sample 3a: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (dark brown)	76	1,3	11	69
Sample 3b: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (dark brown)	77	1,3	8	58
Average sample 3: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED (dark brown)	77	1,3	9	64

Based on the results obtained in test report No. 16736D: Two tests on each product have been carried out instead of the standard three replicates.

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 15102:2007+A1:2011.

b) Classification

The product **BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED** 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 nominal thickness of at least 9 mm and a nominal density of at least 652,5 kg/m³.
- Fixing: Directly glued (250 ± 50 g/m²) onto the substrate using heavy duty wall covering adhesive BK 10 or similar PVA substitute for absorbing surfaces.
- With or without vertical closed joints.

This classification is valid for the following product parameters:

Total product: BN CONTRACT WALLCOVERING - HT NONWOVEN FABRIC BACKED	Total thickness	Depends on the embossing
	Embossing	Regularly spread over the entire surface
	Total surface mass	(355 ± 45) g/m ²
Non-woven fabric backing	Nominal thickness	0,19 ± 0,03
	Nominal surface mass	90 g/m ²
	Use of fire retardants	No
Coating	Nominal thickness	Depends on the embossing
	Nominal surface mass	270 g/m ²
	Use of fire retardants	No
	Colour	All colours

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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.”

PREPARED BY

APPROVED BY

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