

Reaction to fire classification report Nr 13321C

Owner of the classification report

BN INTERNATIONAL B.V.

Rokerijweg 5

NL-1271 AH HUIZEN

THE NETHERLANDS

Introduction

This classification report defines the classification assigned to the product '**Suwide NW**' in accordance with the procedures given in the standard EN 13501-1: 2007: 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 “**Suwide NW**” 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

The product “**Suwide NW**” consists of a vinyl based wall covering with a non woven backing. The vinyl layer has a weight from 300 g/m² till 390 g/m². The weight of the non woven backing is 60 g/m².

	Nominal value	
Mass per unit area (g/m ²)	360	450

Mounting: The product was glued onto a calcium silicate board (12,5mm, 870 kg/m³) with BK10-PVA adhesive (200g/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. Nr.	Test method
WFRGENT N.V. Ghent, Belgium	BN International B.V.	12677D, 12677E, 12677F, 12564, 13321B	EN 13823 (February 2002)
WFRGENT N.V. Ghent, Belgium	BN International B.V.	12677A, 12677B, 12677C, 13321A	EN ISO 11925-2 (February 2002)
WFRGENT N.V. Ghent, Belgium	BN International B.V.	13321D	EXAP according to CENTS 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) 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 No	(-) (-)	Yes No
	$F_s \leq 150\text{mm}$ Ignition filter paper	6	(-) (-)	Yes No	(-) (-)	Yes No
	FIGRA _{0,2 MJ} (W/s)	3	14	(-)	≤ 120	(-)
	FIGRA _{0,4 MJ} (W/s)		(-)	(-)	(-)	(-)
EN 13823 (2)	LFS _{<edge}		(-)	Yes	(-)	Yes
	THR _{600s} (MJ)		1,2	(-)	$\leq 7,5$	(-)
	SMOGRA (m ² /s ²)		4	(-)	≤ 180	(-)
	TSP _{600s} (m ²)		49	(-)	≤ 200	(-)
	Flaming droplets/particles					
	f<10s		(-)	Yes	(-)	Yes
	f>10s		(-)	No	(-)	No
EN ISO 11925-2 (*) (3) 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 No	(-) (-)	Yes No
	$F_s \leq 150\text{mm}$ Ignition filter paper	6	(-) (-)	Yes No	(-) (-)	Yes No
EN 13823 (4)	FIGRA _{0,2 MJ} (W/s)	3	10	(-)	≤ 120	(-)
	FIGRA _{0,4 MJ} (W/s)		(-)	(-)	(-)	(-)
	LFS _{<edge}		(-)	Yes	(-)	Yes
	THR _{600s} (MJ)		1,4	(-)	$\leq 7,5$	(-)
	SMOGRA (m ² /s ²)		0	(-)	≤ 180	(-)
	TSP _{600s} (m ²)		43	(-)	≤ 200	(-)
	Flaming droplets/particles					
	f<10s		(-)	Yes	(-)	Yes
	f>10s		(-)	No	(-)	No

(-) Not applicable

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

(1) Based on the results obtained in test report Nr. 12677A, "Suwide NW" white, design 15074

(2) Based on the results obtained in test report Nr. 12677D, "Suwide NW" white, design 15074

(3) Based on the results obtained in test report Nr. 12677B, "Suwide NW" black, design 15073

(4) Based on the results obtained in test report Nr. 12677E, "Suwide NW" black, design 15073

EN ISO 11925-2 (*) (5) 30s flame application: <u>Edge exposure</u> - front side	$F_s \leq 150\text{mm}$ 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<10s f>10s	2	18 (-) (-) 1,2 6 48 (-) (-)	(-) (-) Yes (-) (-) (-) Yes No	≤ 120 (-) (-) $\leq 7,5$ ≤ 180 ≤ 200 (-) (-)	(-) (-) Yes (-) (-) (-) Yes No
EN ISO 11925-2 (*) (7) 30s flame application: <u>Surface exposure</u> - front side <u>Edge exposure</u> - front side	$F_s \leq 150\text{mm}$ Ignition filter paper $F_s \leq 150\text{mm}$ Ignition filter paper	6 6	(-) (-) (-) (-)	Yes No Yes No	(-) (-) (-) (-)	Yes No Yes No
EN 13823 (8)	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<10s f>10s	3	53 (-) (-) 2,5 13 70 (-) (-)	(-) (-) Yes (-) (-) (-) Yes No	≤ 120 (-) (-) $\leq 7,5$ ≤ 180 ≤ 200 (-) (-)	(-) (-) Yes (-) (-) (-) Yes No

(-) Not applicable

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

(5) Based on the results obtained in test report Nr. 12677C, "Suwide NW" red, design 15076

(6) Based on the results obtained in test report Nr. 12677F and 12564, "Suwide NW" red, design 15076

(7) Based on the results obtained in test report Nr. 13321A, "Suwide NW" red, design 95600, 450g/m²

(8) Based on the results obtained in test report Nr. 13321B, "Suwide NW" red, design 95600, 450g/m²

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 and prEN 15102: 2004.

b) Classification

The product “**Suwide NW**” 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 :

- Glued on any backing with a fire performance of A2 or better with a density of equal to or greater than 820 kg/m³ and a thickness of equal to or greater than 9mm.
- Without a void
- Fixing: glued with BK10-PVA adhesive (200g/m²)
- With joints

This classification is valid for the following product parameters:

- Nominal mass per unit area: from 360 g/m² till 450 g/m²
- All colours

4. RESTRICTIONS

At the time the standard EN 13501-1 (2007) 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	Ing. Frans DUTRIEUE		- 3 NOV. 2008
Reviewed by	Prof. Dr. Ir. Paul VANDEVELDE		- 3 NOV. 2008
(*) For and on behalf of "WFRGENT N.V."			

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

This document is a translation into English of the classification report Nr. 13321C originally issued in Dutch. This translated classification report has been issued under the responsibility of and checked by WFRGENT N.V. This translation is issued according to the "Interpretations of the European standard EN ISO/IEC 17025: 2005" which apply to fire test laboratories, as defined in the EGOLF recommendation R4-part 2. In case of doubt or dispute, the original version in Dutch prevails.

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