

Reaction to fire classification report no. 175789

1. edition dated 9 October 2017

Reaction to fire classification report of wallcoverings "Vinyl wallcovering on a nonwoven substrate with a mass per unit area 150 g/m^2 to 250 g/m^2 "

Sponsor: OOO "KOF "Palitra"
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Order from: 10.07.2017 - Elja Ignatova

This classification report defines the classification assigned to "Vinyl wallcovering on a nonwoven substrate with a mass per unit area 150 g/m^2 to 250 g/m^2 " in accordance with the procedures given in EN 13501-1:2007+A1:2009

This reaction to fire classification report consists of 4 pages.

The classification report shall be published unabridged. Any partial publishing requires the written allowance by the testing institute.

1 Details of classified products

1.1 Nature and end use application

The products "Vinyl wallcovering on a nonwoven substrate with a mass per unit area 150 g/m² to 250 g/m²" are factory made wallcoverings according to EN 15102: 2007+A1: 2011 and are defined as being suitable for internal walls, partition walls and ceilings.

1.2 Description

The products are fully described in the test reports provided in support of the classification listed in section 2.1.

The reaction to fire tests were carried out in reference with the following European product specification:

EN 15102: 2007+A1: 2011 – Decorative wallcoverings – Roll and panel form products

2 Test reports and test results in support of this classification

2.1 Test reports

Name of laboratory	Name of sponsor	Test report no.	Test method
MPA HANNOVER	OOO "KOF "Palitra"	174956	EN 13823:2010+A1:2014
		174959	EN ISO 11925-2:2010-11

2.2 Test results

2.2.1 Tests according to EN ISO 11925-2

			Results	
Test method	Parameter	Number of tests	Continuous parameter (mean)	Compliance parameter
EN ISO 11925-2 Exposure = 30 s				
Surface flame attack Clause 7.3.3.1	$F_s \leq 150 \text{ mm}$	18	-	compliant
Edge flame attack Clause 7.3.3.2.2	$F_s \leq 150 \text{ mm}$	18	-	compliant
Flaming droplets / particles	Ignition of the filter paper	36	-	non-compliant

2.2.2 Tests according to EN 13823

			Results	
Test method	Parameter	Number of tests	Continuous parameter (mean)	Compliance parameter
EN 13823	FIGRA _{0,2 MJ} (W/s)	3	189	-
	FIGRA _{0,4 MJ} (W/s)	3	148	-
	LFS < edge	3	-	compliant
	THR _{600s} (MJ)	3	1,0	-
	SMOGR _A (m ² /s ²)	3	0	-
	TSP _{600 s} (m ²)	3	31	-
	Flaming droplets / particles	3	-	non-compliant

3 Classification and direct field of application

3.1 Reference

This classification has been carried out in accordance with clauses 11.5 and 14.1 of EN 13501-1:2007+A1:2009.

3.2 Classification

The products “Vinyl wallcovering on a nonwoven substrate with a mass per unit area 150 g/m² to 250 g/m²” in relation to their reaction to fire behaviour are classified: C

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 products is:

Fire behaviour	Smoke production		Flaming droplets/particles	
C	s	1	d	0

Reaction to fire classification: C – s1, d0

3.3 Field of application

This classification is valid for the following end use conditions:

- Substrate: Class A1 or A2-s1, d0 according to EN 13501-1
- Glue: wallcovering adhesive

This classification is also valid for the following product parameters:

- Nominal thickness: 0,5 mm - 0,6 mm
- Mass per unit area: 150 g/m² to 250 g/m²

4 Limitations

4.1 Warning

This document does not represent type approval or certification of the product.

The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Regulation.

The manufacturer has made a declaration, which is held on file. This confirms that the products 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.

Hanover, 9 October 2017
Head of fire laboratory

A handwritten signature in blue ink, appearing to read "R. Restorff".

(ORR Dipl.-Ing. Restorff)



Technician

A handwritten signature in blue ink, appearing to read "Kielinski".

(Dipl.-Ing. Kielinski)