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REACTION TO FIRE CLASSIFICATION REPORT IN ACCORDANCE WITH PN-EN 13501-1:2019

Contract no. 02371/22/Z00NZP

Sponsor:	Fliesana e.K. Eichkamp 15 24217 Schönberg, Germany
Prepared by:	Building Research Institute; 1, Filtrowa str. 00-611 Warszawa, Poland
Product name:	Wall and Floor Tiles, Sandstein (Trawertyn, Travertine)
Classification report №:	02371/22/Z00NZP/E
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This classification report consists of 4 pages and may only be used or reproduced in its entirety.

1. Introduction

This classification report defines the classification assigned to the Wall and Floor Tiles, Sandstein (Trawertyn, Travertine) in accordance with the procedures given in PN-EN 13501-1:2019.

2. Details of classified product

2.1 General

Product is defined as intended for wall coverings in rooms, residential, office, commercial, sanitary acc. PN-EN 15102:2019-09.

2.2 Product description

The product, is described below.

Self-adhesive vinyl wall tiles with PUR surface finish
 Surface mass of the product: 4,283 g/m²
 Thickness: 2,8 mm
 Surface finish colours: passat, bounty, sandstein, luna

3. Test reports & test results in support of classification

3.1 Test reports

Name of laboratory	Name of sponsor	Test report №	Test method
Fire Research Department Building Research Institute	Fliesana e.K.	LZP02-02371/22/Z00NZP	PN-EN ISO 11925-2:2020
		LZP01-02371/22/Z00NZP	PN-EN 13823+A1:2014

3.2 Test results

Test method	Parameter	Number of tests	Results	
			Continuous parameter – mean (m)	Compliance with parameters
PN-EN ISO 11925-2: 2020 Surface and edge on front side exposure Exposure time 30 s	$F_s \leq 150$ mm	6	(-)	Y
	Flaming Droplets/particles		(-)	N
PN-EN 13823+A1:2014	FIGRA _{0,2MJ}	3	708,5	(-)
	FIGRA _{0,4MJ}		708,5	(-)
	LFS < edge		(-)	Y
	THR _{600s} [MJ]		22,1	(-)
	SMOGR _A [m ² /s ²]		196,2	(-)
	TSP _{600s} [m ²]		586,6	(-)
	Flaming droplets/particles		(-)	Y

(-): not applicable, Y: Yes, N: No

4 Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with PN - EN 13501-1:2019.

4.2 Classification

The product, Wall and Floor Tiles, Sandstein (Trawertyn, Travertine), in relation to its reaction to fire behaviour is classified:

D

The additional classification in relation to smoke production is:

s3

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

d2

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

Fire behaviour		Smoke production			Flaming droplets	
D	-	s	3	,	d	2

i.e.: **D-s3,d2**

Reaction to fire classification: D-s3,d2

4.3 Field of application

This classification is valid for the product described in point 2 and following variation in product parameters shown in the table 1 this classification report with conjunction with the substrates and air gaps specified in the table 2 :

Table 1

Composition:	No variation in composition allowed
Surface mass:	4,283 g/m ² ± 10 %
Thickness:	2,8 ± 0,2 mm
Colour:	passat, bounty, sandstein, luna

Table 2

Substrates and air gaps	Gypsum plasterboard board and also substrates with fire classifications at least A2-s3,d0
	Directly on the substrate like mentioned above

5 Limitations

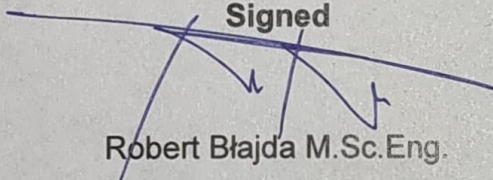
This classification given remains valid as long as:

- Test method remains unchanged.
- Product standard or technical approval remains unchanged.
- Constructional or material modifications do not exceed limits of the field of application defined in 4.3.

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 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 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."

This classification report has been issued in three copies (2 for Sponsor, 1 for archive of Fire Research Department of Building Research Institute). Additional signed copies can be issued by Fire Research Department of ITB on the request of the report's owner only.

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

Signed

Robert Błajda M.Sc.Eng.

Approved
HEAD
of Fire Research Department
Bartłomiej Bogus, PhD Eng.
