

TFI Report 471611-02

Classification

of the Reaction to Fire according to EN 13501-1:2010

Customer

Unilin bvba, Division Flooring
Ooigemstraat 3
8710 Wielsbeke
BELGIUM

Product

wall covering
Wall covering

This report includes 5 pages and 0 annex(es).

Responsible at TFI

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Aachen, 20 December 2017



Dr. Alexander Siebel
head of the testing laboratory

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This report only applies to the tested samples and has been established to the best of our knowledge. Only the entire report shall be reproduced. Under no circumstances, extracts shall be used. Furthermore, we apply the "General Terms and Conditions for the Execution of Contracts" of the TFI Aachen GmbH, also with regard to the order execution.

1 Transaction

Test order	Classification of the reaction to fire according to EN 13501-1:2010
Order date	04 October 2017
Your reference	J. De Jaeger
Product designation(s)	Wall covering (AMGP40051, QSV40051AMGP4P25, 400023189)
TFI sample number	17-10-0017, 17-10-0232 (adhesive)

2 Product specification

The construction product is completely described in the test report mentioned under item 3. The test report provides the basis for the present classification.

3 Results

3.1 Test reports and test results used for the classification

Test laboratory	Customer	Test report no.	Test method
TFI Aachen GmbH	Unilin bvba, Division Flooring	471611-01 dated 20 December 2017	DIN EN ISO 13823:2015
			EN ISO 11925-2:2010 (30 s ignition time)

3.2 Test results

	Test method	Parameter	Number of tests	Result	
				Mean value	Requirements fulfilled (Y/N)
Product	DIN EN 13823:2015	FIGRA _{0,2MJ} [W/S]	3	616.76	
		FIGRA _{0,4MJ} [W/S]		616.76	
		LSF		-	
		THR _{600s} [MJ]		15.27	
		SMOGRA-index [m ² /s ²]		233.62	
		TSP _{600s} [m ²]		407.41	
		Burning time [s] Flaming droplets/particles		-	
	Burn through	yes			
EN ISO 11925-2:2010	Flame tip < 150 mm	12	-	Y	

3.3 Classification and field of application

The construction product "Wall covering" is classified as follows with regard to the reaction to fire:

D

The additional classification with regard to the smoke development is:

s3

The additional classification with regard to burning droplets/particles is:

d0

The format of the reaction to fire classification of construction products except floor coverings and pipe insulation is:

Reaction to fire		Smoke development			Burning droplets	
D		s	3		d	0

Classification of the reaction to fire: D-s3, d0

This classification is valid for the following end use application:

Type of end use application	wallcovering
Substrate	noncombustible substrates (Euroclass A1 and A2-s1,d0) with a gross density $\geq 450 \text{ kg/m}^3$
Additional layer behind the substrate	no
Type of fixation	glued
Adhesive	glued with adhesive ULTRABOND ECO MS 4 LVT WALL, Mapei GmbH (or adhesives which ensure that the tested construction product will reach at least the same fire class)
Installation	without distance to the end plate
Joint	yes

Limitations

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



The classification assigned to the construction product in this report is suited for a declaration of conformity by the manufacturer or a Declaration of Performance within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive or Construction Products Regulation.

The manufacturer has made a declaration, which is held on file. This declaration confirms that the design of the product does not require any specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic contents 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 for the attestation of conformity respectively system 3 for the assessment and verification of the constancy of performance 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.

