

TFI Report 480453-02

Classification

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

Customer

Karelia-Upofloor Oy
P.O. Box 5011
70701 KUOPIO
FINLAND

Product

resilient floor covering
Zero Sound

This report includes 4 pages and 0 annex(es).

Responsible at TFI

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Aachen, 27 March 2018



Dr. Alexander Siebel
head of the testing laboratory

The present document is provided with an advanced electronic signature.

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	05 March 2018
Your reference	T. Tehomaa
Product designation(s)	Zero Sound
TFI sample number	18-03-0036

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	Karelia-Upofloor Oy	480453-01 dated 27 March 2018	EN ISO 9239-1:2010
			EN ISO 11925-2:2010 (15 s ignition time)

3.2 Test results

	Test method	Parameter	Number of tests	Result	
				Mean value	Requirements fulfilled (Y/N)
Product	EN ISO 9239-1:2010	Average critical heat flux [kW/m ²]	3	5.1	
		Integrated smoke value [% x min.]		267	
	EN ISO 11925-2:2010	Flame tip < 150 mm	6	-	Y

3.3 Classification and field of application

The construction product "Zero Sound" is classified as follows with regard to the reaction to fire:

C_{fi}

The additional classification with regard to the smoke development is:

s1

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

-

The format of the reaction to fire classification for floor coverings is:

Reaction to fire		Smoke development	
C_{fi}	-	s	1

Classification of the reaction to fire: C_{fi} - s1

This classification is valid for the following end use application:

Type of end use application	horizontally laid floor covering
Substrate	noncombustible substrates (Euroclass A1 and A2-s1,d0) with a gross density $\geq 1350 \text{ kg/m}^3$
Underlay for installation	no
Type of fixation	glued
Adhesive	glued with adhesive UZIN KE 2000 S, Uzin Utz AG (or adhesives which ensure that the tested construction product will reach at least the same fire class)
Joint according to EN ISO 9239-1:2010	no

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.