

TFI Report 20-001349-09

Classification

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

Customer

Amtico International
Kingfield Road
CV6 5AA Coventry
GREAT BRITAIN

Product

textile floor covering

Product 1:

Amtico Carpet Tiles RN6 (Nylon6 Collection)
(Test Sample Amtico Bridge Acoustic Backed)

Product 2:

Amtico Carpet Tiles VN6 (Nylon6 Collection)
(Test Sample Amtico Realm Standard Backing)

This report is a correction of test report no. 20-001349-03 and supersedes and replaces the previous version. This report replaces the version 20-001349-03.

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

Responsible at TFI

Dipl.-Ing. Ulrike Balg

senior engineer fire testing

Tel: +49 241 9679 133

u.balg@tfi-aachen.de

Aachen, 26 January 2021



Dr.-Ing. Andreas Zoëga

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	17 November 2020, 14 January 2021
Your reference	PG22669
Product designation	Amtico Carpet Tiles RN6 (Nylon6 Collection) (Test Sample Amtico Bridge Acoustic Backed) Amtico Carpet Tiles VN6 (Nylon6 Collection) (Test Sample Amtico Realm Standard Backing)
TFI sample number	2002089, 2002090

2 Product Specification

The construction products are completely described in the test reports mentioned under item 3. The test reports provide the basis for the present classification.

3 Results

Test laboratory	Customer	Test report no.	Test method
TFI Aachen GmbH	Amtico International	20-001349-07 dated 26 January 2021	EN ISO 9239-1:2010
			EN ISO 11925-2:2020 (15 s ignition time)
TFI Aachen GmbH	Amtico International	20-001349-08 dated 26 January 2021	EN ISO 9239-1:2010
			-

3.2 Test results

	Test method	Parameter	Number of tests	Result	
				Mean value	Requirements fulfilled (Y/N)
Product 1	EN ISO 9239-1:2010	Average critical heat flux [kW/m ²]	3	9.5	
		Integrated smoke value [% x min.]		90	
	EN ISO 11925-2:2020	Flame tip < 150 mm	6	-	J

	Test method	Parameter	Number of tests	Result	
				Value*	Requirements fulfilled (Y/N)
Product 2	EN ISO 9239-1:2010	Average critical heat flux [kW/m ²]	2	8.8	
		Integrated smoke value [% x min.]		68	
	EN ISO 11925-2:2020	Flame tip < 150 mm	-	-	-

*Worse result for the average critical heat flux and the corresponding integrated smoke value from the Radiant Panel Test with a reduced number of samples.

3.3 Classification and field of application

The construction product “Amtico Carpet Tiles RN6 (Nylon6 Collection) (Test Sample Amtico Bridge Acoustic Backed)” and “Amtico Carpet Tiles VN6 (Nylon6 Collection) (Test Sample Amtico Realm Standard Backing)” is classified as follows with regard to the reaction to fire:

B_{fl}

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	
B_{fl}	-	s	1

Classification of the reaction to fire: B_{fl} - s1

The measurement results are evaluated without consideration of the measurement uncertainty with reference to compliance with limit values, unless otherwise specified by the test standard

This classification is valid for the following end use application:

Type of end use application	flooring
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 and unglued
Joint according to EN ISO 9239-1:2010	yes

Limitations

This classification document does not represent any type of 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.