

Title:

CLASSIFICATION OF REACTION TO FIRE PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1:2018.

Notified Body No:

0833

Product Name:

"Amtico Entryway Collection"

Report No:

WF 428122

Issue No:

1

Prepared for:

Amtico International,
Kingfield Road,
Coventry,
Warwickshire,
CV6 5AA

Date:

17th April 2020

1. Introduction

This classification report defines the classification assigned to “Amtico Entryway Collection”, a tufted modular carpet tile, in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product, “Amtico Entryway Collection”, a tufted modular carpet tile, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, “Amtico Entryway Collection”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Tufted modular carpet tile
Product reference		“Amtico Entryway Collection”
Name of manufacturer		Mannington Commercial
Overall thickness		7.9mm to 10.2mm (stated by sponsor) 8.10mm (determined by Warringtonfire)
Overall weight per unit area		3700 g/m ² to 4900g/m ² (stated by sponsor) 3917.38g/m ² (determined by Warringtonfire)
Pattern / style reference of mat		Ruffian, Recoarse, Frixion Designs
Batch reference		See Note 1 below
Pile	Generic type	Nylon 6,6
	Product reference	A product reference is not assigned to this component
	Name of manufacturer	Invista
	Pile height above the backing	3.8mm to 5.9mm
	Weight per unit area	654g/m ² to 927g/m ²
	Colour reference	See Note 1 below
	Colour	Dark brown (observed by Warringtonfire)
	Flame retardant details	See Note 2 below
Backing (flock adhesive)	Generic type	Filled polyvinyl chloride (PVC) latex
	Product reference	A product reference is not assigned to this component
	Detailed description / composition details	See Note 3 below
	Name of manufacturer	Mannington Commercial
	Thickness	See Note 1 below
	Weight per unit area	Between 1,187 g/m ² & 1,356 g/m ²
	Colour reference	See Note 1 below
	Trade name of flame retardant	“CG 60 - Alumina Tri Hydrate”
	Generic type of flame retardant	Aluminium Tri Hydrate
Amount of flame retardant	678 g/m ² equivalent to 50%	

Continued on next page

Primary backing	Generic type	Polyester
	Product reference	A product reference is not assigned to this component
	Detailed description / composition details	See Note 3 below
	Name of manufacturer	See Note 3 below
	Thickness	See Note 3 below
	Weight per unit area	122g/m ² to 156g/m ²
	Colour reference	See Note 1 below
	Flame retardant details	See Note 2 below
Backing	Generic type	Filled polyvinyl chloride (PVC)
	Product reference	"5E"
	Detailed description / composition details	Extruded, plasticised, filled PVC
	Name of manufacturer	Mannington Commercial
	Thickness	3.1mm to 4.1mm
	Weight per unit area	1740g/m ² to 2498g/m ²
	Colour reference	"Black"
	Flame retardant details	See Note 2 below
Brief description of manufacturing process		(1) Yarn Processed (2) Tufted (3) Primary Backed (4) Modular Coating (5) Extruded Backing Applied (6) Cut (7) boxed

Note 1. The sponsor of the test was unable to provide this information.

Note 2. The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the component.

Note 3. The sponsor of the test was unwilling to provide this information.

3. Test reports & test results in support of classification.

3.1 Test reports.

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Warringtonfire	Amtico International	WF 425101 WF 425104 (indic)	EN ISO 9239-1
Warringtonfire		WF 425102	EN ISO 11925

3.2 Test results

Test method & test number	Parameter		No. tests	Results	
				Continuous parameter - mean (m)	Compliance with parameters
EN ISO 9239-1	Critical flux		3, 1	7.26 kW/m ² 8.1 kW/m ² (indic)	Compliant
	Smoke			151.81 %min 197.97 %min (indic)	Compliant
EN ISO 11925-2	(15s exposure – surface of decorative face)	F _s	6	≤ 40 mm	Compliant
		Flaming droplets/ particles		None	Compliant
	(15s exposure – edge of decorative face)	F _s	6	≤ 20 mm	Compliant
		Flaming droplets/ particles		None	Compliant

4. Classification and field of application

4.1 Reference of classification

This classification has been carried out in accordance with clause 9 of EN 13501-1:2018.

4.2 Classification

The product, "Amtico Entryway Collection", a tufted modular carpet tile, in relation to its reaction to fire behaviour is classified:

C_{FL}

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for floorings is:

Fire Behaviour		Smoke Production	
C _{FL}	-	s	1

i.e. C_{FL} – s1

Reaction to fire classification: C_{FL}– s1

4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications
- ii) Floorcovering applications applied over any substrate with a minimum density of 1800 kg/m³, having a minimum thickness of 8 mm and a fire performance of A2-s1, d0 or better.-
- iii) Installed with/without adhesive -

This classification is also valid for the following product parameters:

Product thickness	7.9mm – 10.2mm
Product density	3700 g/m ² to 4900g/m ²
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed
Colour/Pattern	Any variation allowed

5. Limitations

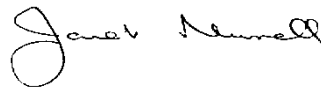
This document does not represent type approval or certification of the product.

SIGNED



.....
Katie Williams
Certification Engineer
Technical Department

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
On behalf of **Warringtonfire**

This copy has been produced from a .pdf format electronic file that has been provided by **Warringtonfire** to the sponsor of the report and must only be reproduced in full. Extracts or abridgements of reports must not be published without permission of **Warringtonfire**. The pdf copy supplied is the sole authentic version of this document. All pdf versions of this report bear authentic signatures of the responsible **Warringtonfire** staff.

All work and services carried out by Warringtonfire Testing and Certification Limited are subject to, and conducted in accordance with, the Standard Terms and Conditions of Warringtonfire Testing and Certification Limited, which are available at <https://www.element.com/terms/terms-and-conditions> or upon request.