

Title:

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

Notified Body No:

0833

Product Name:

"Amtico Against The Grain Collection"

Report No:

WF 428124

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 Against the Grain 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 Against The Grain Collection”, a tufted modular carpet tile, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, “Amtico Against The Grain 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 Against the Grain Collection”
Name of manufacturer		Mannington Commercial
Overall thickness		5.9mm to 8.3mm (stated by sponsor) 6.53mm (determined by Warringtonfire)
Overall weight per unit area		3075 g/m ² to 3245g/m ² (stated by sponsor) 3165.33g/m ² (determined by Warringtonfire)
Pattern / style reference of mat		With the Grain, Cross Grain, Hand Scraped Collections
Batch reference		See Note 1 below
Pile	Generic type	Nylon 6,6
	Product reference	“Ultron”
	Name of manufacturer	Ascend Performance Materials
	Pile height above the backing	3.0mm to 4.1mm
	Weight per unit area	490g/m ² to 700g/m ²
	Colour reference	See Note 1 below
	Colour	Grey (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 3 below
	Weight per unit area	1187 g/m ² & 1356 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	"Polybac"
	Detailed description / composition details	See Note 3 below
	Name of manufacturer	Propex
	Thickness	See Note 1 below
	Weight per unit area	122g/m ² to 155g/m ²
	Colour reference	See Note 1 below
	Flame retardant details	See Note 2 below
Backing	Generic type	Filled polyvinyl chloride (PVC)
	Product reference	"6E"
	Detailed description / composition details	Extruded, plasticised, filled PVC
	Name of manufacturer	Mannington Commercial
	Thickness	3.2mm to 3.7mm
	Weight per unit area	1525g/m ² to 1695/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 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 427235 WF 427274 (indic)	EN ISO 9239-1
Warringtonfire		WF 427236	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	6.54 kW/m ² 5.72 kW/m ² (indic)	Compliant
	Smoke			175.88 %min 164.58 %min (indic)	Compliant
EN ISO 11925-2	(15s exposure – surface of decorative face)	F _s	6	0 mm	Compliant
		Flaming droplets/ particles		None	Compliant
	(15s exposure – edge of decorative face)	F _s	6	≤ 40 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 Against The Grain 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	5.9mm – 8.3mm
Product density	3075 g/m ² to 3245g/m ²
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed
Colour/Pattern	Any variation allowed

5. Limitations

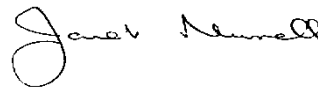
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SIGNED



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APPROVED



.....
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On behalf of **Warringtonfire**

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