

classification report

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2007

Notified Body No:

0833

Product Names:

Mix

Report No

167486

Issue No:

1

Prepared for:

Bonar Floors Limited
High Holborn Road
Ripley
Derbyshire
DE5 3NT

Date:

8th October 2007

1. Introduction

This classification report defines the classification assigned to "Mix", a loop pile tufted carpet tile, in accordance with the procedures given in EN 13501-1:2007

2. Details of classified product

2.1 General

The product, "Mix", a loop pile tufted carpet tile, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, "Mix", a loop pile tufted carpet tile, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

Product configuration		Carpet tile Adhesive Substrate		
Thickness of composite		12.62mm (Determined by Bodycote warringtonfire)		
Weight per unit area of composite		16.35kg/m ² (Determined by Bodycote warringtonfire)		
Carpet tile	General description		Loop pile tufted carpet tile	
	Product reference of carpet tile		"Mix"	
	Name of manufacturer of carpet tile		Bonar Floors Limited	
	Overall thickness of carpet tile		6.5mm	
	Overall weight per unit area of carpet tile		4265 g/m ²	
	Colour reference of carpet tile		Blue (determined by Bodycote warringtonfire)	
	Pattern reference of carpet tile		See 'Note 1' below	
	Pile	Product reference		See 'Note 2' below
		Generic type		Nylon
		Name of manufacturer		Aquafil
		Pile height above the backing		3.5mm
		Weight per unit area		650g/m ²
		Flame retardant details		See 'Note 3' below
	Backing	Trade name / product reference		See 'Note 2' below
		Generic type		Polyester
Name of manufacturer		Johns Manville		
Thickness		0.1mm		
Weight per unit area		90g/m ²		
Flame retardant details		See 'Note 3' below		

Adhesive (carpet tile to substrate)	Product reference	F Ball & Co's "Styccobond F41" - Surface Tackifier
	Generic type	Solvent free acrylic polymer emulsion adhesive
	Name of manufacturer	F Ball & Co. Limited
	Application Rate	Approximately 7m ² per litre
	Application Method	Brush
Substrate	Product reference	"NT D4 604"
	Generic type	Fibre cement board
	Name of supplier	Scheerders van de Kerkhove (SVK)
	Thickness	6mm
	Density	1800kg/m ³
Brief description of manufacturing process utilised in the production of the carpet tile		See 'Note' 1

NOTE 1: The sponsor was unwilling to provide this information.

NOTE 2: The sponsor confirmed that there is no specific trade name or product reference associated with this component.

NOTE 3: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

3. Test reports/extended application reports & test results in support of classification

3.1 Test reports/extended application reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Bodycote warringtonfire	Bonar Floors Limited	WF 166591	EN ISO 11925-2
Bodycote warringtonfire	Bonar Floors Limited	WF 166592	EN ISO 9239-1

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	9.2	Compliant
	Smoke		329	Compliant
EN ISO 11925-2 (15s exposure – surface of decorative face)	F _s	6	30	Compliant
	Flaming droplets/particles		None	Compliant
EN ISO 11925-2 (15s exposure – edge of decorative face)	F _s	6	60	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 13501-1:2007

4.2 Classification

The product, "Mix", a loop pile tufted carpet tile, in relation to its reaction to fire behaviour is classified:

BFL

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	
B_{FL}	-	s	1

i.e. **B_{FL} – s1**

Reaction to fire classification: **B_{FL} – s1**

4.3 Field of application

This classification is valid for the following end use applications:

- i) Flooring applications, used over any substrate with a density equal to or greater than 1800Kg/m³, having a minimum thickness of 6mm and a fire performance of A2_{FL} or better.
- ii) Installed directly to the substrate utilising 'Balls Styccobond F41' adhesive, applied at a nominal rate of 7m²/litre

This classification is also valid for the following product parameters:

Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Colour/Pattern	Any variation allowed
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed

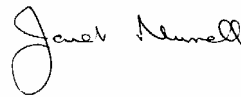
SIGNED



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Leigh Hill

Technical Consultant
Technical Department

APPROVED



.....
Janet Murrell

Technical Manager
Technical Department
on behalf of:

Bodycote warringtonfire

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Bodycote warringtonfire • Head Office • Holmesfield Road • Warrington • Cheshire • WA1 2DS • United Kingdom
Tel: +44 (0) 1925 655 116 • Fax: +44 (0) 1925 655 419 • Email: Info@warringtonfire.net • Website: www.warringtonfire.net

