

classification report

**Title:**

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

Notified Body No:

0833

Product Names:

Basis

Report No:

172471

Issue No:

1

Prepared for:

Bonar Floors Limited
Unit 2, Seedlee Road
Walton Summit Centre
Bamber Bridge
Preston
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PR7 8AE

Date:

14th May 2008



1. Introduction

This classification report defines the classification assigned to 'Basis', 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, 'Basis', a loop pile tufted carpet tile is defined as being suitable for floor covering applications.

2.2 Product description

The product, 'Basis', 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
Carpet tile	General description	Loop Pile Tufted Carpet Tile
	Product reference of carpet tile	"BASIS"
	Name of manufacturer of carpet tile	Bonar Floors
	Overall thickness of carpet tile	6.0mm
	Overall weight per unit area of carpet tile	3795 g/m ²
	Colour reference of carpet tile	Grey
	Pattern reference of carpet tile	See Note 1
	Pile	Product reference
		See Note 2
		Generic type
		Nylon
		Name of manufacturer
		See Note 4
	Primary Backing	Pile height above the backing
		3.5mm
		Weight per unit area
		480 g/m ²
		Flame retardant details
		See Note 3
	Backing	Product reference
		See Note 4
		Generic type
		Spun bond nylon ("SM120")
		Name of manufacturer
		See Note 4
	Backing	Thickness
		0.1 mm
		Weight per unit area
		120 g/m ²
		Flame retardant details
		See Note 3
	Backing	Trade name / product reference
		See Note 2
		Generic type
		Polyester
		Name of manufacturer
		See Note 4
	Backing	Thickness
		0.1mm
		Weight per unit area
		95 g/m ²
		Flame retardant details
		See Note 3

	Back Coating	Trade name / product reference	See Note 2
		Generic type	Modified bitumen
		Name of manufacturer	See Note 4
		Thickness	2.1mm
		Weight per unit area	2500 g/m ²
		Flame retardant details	See Note 3
	Back coating applied to reverse face	Trade name / product reference	See Note 2
		Generic type	Latex The sponsor did not provide any further information relating to the generic form of the latex
		Name of manufacturer	ILC
		Thickness	0.2mm
		Weight per unit area	600 g/m ²
		Flame retardant details	See Note 3
Adhesive (carpet tile to substrate)	Product reference	See Note 4	
	Generic type	Solvent free acrylic polymer emulsion adhesive	
	Name of manufacturer	See Note 4	
	Application Rate	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.

Note 4: The sponsor has provided this information which is held on confidential file at Bodycote Warringtonfire

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 172459	EN ISO 11925-2
Bodycote warringtonfire	Bonar Floors Limited	WF 172458	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	10.4	Compliant
	Smoke		149.68	Compliant
EN ISO 11925-2 (15s exposure – surface of decorative face)	F _s	6	6.6	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (15s exposure – edge of decorative face)	F _s	6	33.3	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, 'Basis', a loop pile tufted carpet tile, in relation to its reaction to fire behaviour is classified:

B_{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	
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:

- 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.
- Installed directly to the substrate with acrylic emulsion adhesive.

This classification is also valid for the following product parameters:

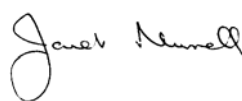
Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Colour/Pattern	No variation allowed
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed

SIGNED



.....
Simon Ince
Technical Officer
Technical Department

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of:
Bodycote warringtonfire

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