

classification report

Title:

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

Notified Body No:

0833

Product Name:

BARCODE

Report No:

184383

Issue No:

1

Prepared for:

Forbo Flooring UK Limited
Unit 92, Seedlee Road
Walton Summit Centre
Bamber Bridge
Preston
Lancashire
PR7 8AE

Date:

9th July 2009

1. Introduction

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

2.2 Product description

The product, 'BARCODE', 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		A carpet tile loosely laid over a 6mm thick fibre cement board substrate
Carpet tile	General description	Loop pile tufted carpet tile
	Product reference of carpet tile	"BARCODE"
	Name of manufacturer of carpet tile	Forbo Flooring Ltd
	Overall thickness of carpet tile	6.4mm (stated by sponsor) 6.5mm (Determined by Bodycote warringtonfire)
	Overall weight per unit area of carpet tile	3895g/m ² (stated by sponsor) 4300g/m ² (Determined by Bodycote warringtonfire)
	Colour reference of carpet tile	"Timeline"
	Pattern reference of carpet tile	See Note 1
	Pile	Product reference
		Generic type
		Name of manufacturer
		Pile height above the backing
		Weight per unit area
		Flame retardant details
	Primary Backing	Product reference
		Generic type
		Name of manufacturer
		Thickness
		Weight per unit area
	Backing	Flame retardant details
		Trade name / product reference
		Generic type
		Name of manufacturer
		Thickness
		Weight per unit area
		Flame retardant details

	Back Coating	Trade name / product reference	"PMB"
		Generic type	Modified bitumen
		Name of manufacturer	Shell
		Thickness	2.5mm
		Weight per unit area	2500g/m ²
		Flame retardant details	See Note 3
	Back coating applied to reverse face	Trade name / product reference	"LC6715"
		Generic type	Latex
		Name of manufacturer	ILC
		Thickness	0.2mm
		Weight per unit area	600g/m ²
		Flame retardant details	See Note 3
	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		Tufting, latexing, bitumining, tile cutting

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	Forbo Flooring UK Limited	WF 184306	EN ISO 11925-2
Bodycote warringtonfire	Forbo Flooring UK Limited	WF 184307	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	8.4	Compliant
	Smoke		325.20	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	40	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, 'BARCODE', 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:

- 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 with or without 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	Any variation allowed
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed

5. Limitations

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

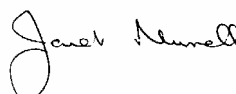
SIGNED



.....
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

