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Testing. Advising. Assuring.

Title:

CLASSIFICATION OF
REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1:2007+A1: 2009.

Notified Body No:

0833

Product Name:

"Polyflor Prestige PUR"

Report No:

WF 342545

Issue No:

1

Prepared for:

Polyflor Limited, PO Box 3,
Radcliffe New Road,
Whitefield, Manchester,
M25 7NR

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0249

1. Introduction

This classification report defines the classification assigned to "Polyflor Prestige PUR", a family of vinyl floorcoverings, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, "Polyflor Prestige PUR", a family of vinyl floorcoverings, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, "Polyflor Prestige PUR", a family of vinyl floorcoverings, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Floorcovering adhered to a fibre cement board substrate
Flooring	Generic type	Polyvinyl chloride (PVC)
	Product reference	"Polyflor Prestige PUR"
	Name of manufacturer	Polyflor Ltd
	Thickness	2.0mm
	Weight per unit area	2.95kg/m ²
	Colour reference	Any colour
	Flame retardant details	See Note 1 Below
Balls F44	Generic type	Acrylic based adhesive
	Product reference	"Balls F44"
	Name of manufacturer	F Ball & Co. Ltd.
	Application rate	200g/m ²
	Application method	"V" notched trowel
	Flame retardant details	See Note 1 Below
Substrate	Product reference	"NT D4 604"
	Generic type	Fibre cement board
	Name of manufacturer	Scheerders van de Kerkhove (SVK)
	Thickness	8mm
	Density	1800kg/m ³
Flame retardant details		This component is inherently flame retardant
Brief description of the manufacturing process		Calandered flooring

Note 1: The sponsor of the test / supplier has confirmed that no flame retardant additives were utilised in the production of the component.

The precise composition of the product submitted for test is regarded by the sponsor to be of a highly confidential nature and as a consequence this information is maintained by Polyflor at their Whitefield factory. This information can be inspected by Exova Warringtonfire at any time and the information is checked, stamped, signed and dated by a member of Exova Warringtonfire to prevent misuse.

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 / Classification report Nos.	Test method / extended application rules & date
BTTG / BCTC / Exova Warringtonfire	Polyflor Limited	2400053B/2/05,12515/198/MN, 600155A/09/05, 2600156A/09/05,26/00486/04/07, 6/00489/04/07, 2600218A/01/06,2600213A/12/05, 6/00485/04/07, 2600164A/09/05,2600623/10/07, 2660611/10/07, 2600216A/01/06, 2600622/10/07, 26/01015/1/10, 26/00405/12/06, 26/00382/11/06, WF309427, WF341603	ISO 11925-2
BTTG / BCTC / Exova Warringtonfire	Polyflor Limited	2400053B/2/05, 12515/198/MN, 2600155B/09/05, 2600156B/09/05,26/00486/04/07, 6/00489/04/07, 2600218B/01/06,2600213B/12/05, 6/00485/04/07, 2600164B/09/05, 2600623/10/07, 2660611/10/07, 2600216B/01/06, 2600622/10/07, 26/01015/1/10, 26/00405/12/06, 26/00382/11/06, WF 309428, WF 341604	ISO 9239-1
Exova Warringtonfire	Polyflor Limited	WF 192840, 192841, 192842, 192843, 192844, 192845, 192846, 192847, 192848, 192849, 192850, 192851, 192852, 194171, 313719,	EN 13501
Exova Warringtonfire	Polyflor Limited	WF 192854, WF 313718, WF 342544	EN/TS 15117

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	19	9.8 to ≥ 11.3	Compliant
		Smoke		2 to 214	Compliant
EN ISO 11925-2	(15s exposure – surface of decorative face)	F _s	19	<150mm	Compliant
	(15s exposure – edge of decorative face)	F _s	6	<150mm	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+A1:2009.

4.2 Classification

The product, "Polyflor Prestige PUR", a family of vinyl floorcoverings, 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) Floorcovering applications bonded directly to any substrate with a minimum density of 1800kg/m^3 , having a minimum thickness of 6mm and a fire performance of A2_{FL} or better.
- ii) Installed directly to the substrate utilising 'F44' adhesive, applied at a nominal rate of 200g/m^2

This classification is also valid for the following product parameters:

Floorcovering thickness	1.5 to 3.0mm
Floorcovering weight per unit area	Between 2.36 kg/m^2 and 5.01 kg/m^2
Binder Content	28 to 71%
Surface coating	Coated or uncoated
Colour	Any variation allowed.
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed
Adhesive	Acrylic adhesive

SIGNED

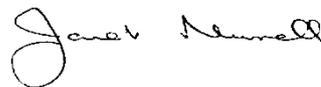


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APPROVED



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