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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:

"Polysafe Ecomax"

Report No:

313719

Issue No:

2

Prepared for:

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

Date of original issue:

29th November 2011

Date of Issue 2:

8th December 2011



1. Introduction

This classification report defines the classification assigned to "Polysafe Ecomax", a family of coated 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, "Polysafe Ecomax", a family of coated vinyl floorcoverings, is defined as being suitable for floorcovering applications.

2.2 Product description

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

General description		Safety flooring, adhered to a 6mm thick fibre cement board substrate utilising 'F44' adhesive
Floor Covering	Trade name / product reference	"Polysafe Ecomax"
	Generic type	Polyvinyl chloride (PVC)
	Name of manufacturer	Polyflor
	Overall weight per unit area	3.35 kg/m ²
	Overall thickness	2.0 mm
	Colour / pattern reference	Any
	Flame retardant details	See note 1 below
Surface treatment (applied to the face of the floorcovering)	Trade name / product reference	See note 1 below
	Generic type	Polyurethane
	Name of manufacturer	See note 1 below
	Thickness	5 g/m ²
	Application method	Roller
	Flame retardant details	The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product / component.

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Adhesive	Product reference	"Styccobond F44"
	Generic type	Acrylic based adhesive
	Name of manufacturer	F Ball & Co. Ltd.
	Application rate	200g/m ²
	Application method	'V' notched trowel
	Flame retardant details	The manufacturer stated that no flame retardant additives were utilised in the construction of the adhesive
Substrate	Trade name	"NT D4 604"
	Generic type	Fibre cement board
	Supplier	Scheerders van de Kerkhove (SVK)
	Thickness	6mm
	Density	1800kg/m ³
Brief description of manufacturing process of the floor covering		Calendered flooring

Note 1: 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, WF 309427	EN 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	EN ISO 9239-1
Exova Warringtonfire	Polyflor Limited	WF 192840, 192841, 192842, 192843, 192844, 192845, 192846, 192847, 192848, 192849, 192850, 192851, 192852, 194171	EN 13501
Exova Warringtonfire	Polyflor Limited	WF 192854, WF 313718	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	3	9.8 to ≥ 11.3	Compliant
		Smoke		2 to 214	Compliant
EN ISO 11925-2	(15s exposure – surface of decorative face)	F _s	6	None	Compliant
	(15s exposure – edge of decorative face)	F _s	6	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+A1:2009.

4.2 Classification

The product, "Polysafe Ecomax", a family of coated 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

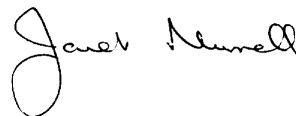
SIGNED



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Matthew Dale
Certification Engineer
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APPROVED



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on behalf of **Exova Warringtonfire**

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