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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 Names:

"Polysafe Astral PUR"

Report No:

WF 349910

Issue No:

1

Prepared for:

Polyflor Limited
PO Box 3
Radcliffe New Road
Whitefield
Manchester
M45 7NR

Date:

3rd March 2015



1. Introduction

This classification report defines the classification assigned to "Polysafe Astral PUR", a PVC flooring product, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, "Polysafe Astral PUR", a PVC flooring product, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, "Polysafe Astral PUR", a PVC flooring product, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Polyvinyl chloride flooring which was adhered to a fibre cement board substrate utilising "Balls F44" adhesive
Thickness of overall composite		10.29mm (determined by Exova Warringtonfire)
Weight per unit area of overall composite		17.43kg/m ² (determined by Exova Warringtonfire)
Flooring	Generic type	Polyvinyl chloride (PVC)
	Product reference	"Polysafe Astral PUR"
	Name of manufacturer	Polyflor Limited
	Thickness	2.0mm
	Weight per unit area	2.43kg/m ²
	Shade	Any colour / pattern
	Batch number	"1P443"
	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	The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of this component.
Substrate	Product reference	"NT D4 604"
	Generic type	Fibre cement board
	Name of manufacturer	Scheeders van de Kerkhove (SVK)
	Thickness	8mm
	Density	1800kg/m ³
	Flame retardant details	This component is inherently flame retardant
Brief description of manufacturing process		Plastisol spreading and gelling

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

3. Test reports & test results in support of classification

3.1 Test reports

Name of Laboratory	Name of sponsor	Test reports/extended application report Nos.	Test method / extended application rules & date
Exova warringtonfire	Polyflor Limited	WF 349567	EN ISO 11925-2
Exova warringtonfire	Polyflor Limited	WF 349566	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	10.9 kW/m ²	Compliant
		Smoke	3	128.29 % min	Compliant
EN ISO 11925-2	(15s exposure – surface of decorative face)	F _s	6	50	Compliant
		Flaming droplets/ particles		None	Compliant
	(15s exposure – edge of decorative face)	F _s	6	46.7mm	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+A1:2009.

4.2 Classification

The product, "Polysafe Astral PUR", a PVC flooring product, 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 applied over any substrate with a minimum density of 1800kg/m³, having a minimum thickness of 8mm and a fire performance of A2_{FL} or better.
- ii) Installed utilising "Ball's F44", an acrylic based adhesive at an application rate of 200g/m².

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product weight	No variation allowed
Product composition	No variation allowed
Product construction	No variation allowed
Colour/Pattern	Any colour / pattern

5. Limitations

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

SIGNED

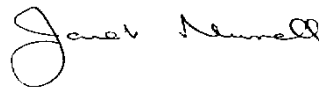


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APPROVED



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on behalf of **Exova warringtonfire**

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