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Testing. Advising. Assuring.

**Title:**

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

**Notified Body No:**

0833

**Product Name:**

Polyflor Pearlazzo PUR

**Report No:**

192840

**Issue No:**

1

**Prepared for:**

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

**Date:**

24<sup>th</sup> May 2010

## 1. Introduction

This classification report defines the classification assigned to “Polyflor Pearlazzo PUR”, a Heavy duty homogenous PVC flooring with a polyurethane surface reinforcement, in accordance with the procedures given in EN 13501-1:2007

## 2. Details of classified product

### 2.1 General

The product, “Polyflor Pearlazzo PUR”, a Heavy duty homogenous PVC flooring with a polyurethane surface reinforcement is defined as being suitable for floorcovering applications.

### 2.2 Product description

The product, “Polyflor Pearlazzo PUR”, a Heavy duty homogenous PVC flooring with a polyurethane surface reinforcement, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Heavy duty vinyl sheet flooring adhered to a nominally 6mm thick fibre cement based substrate utilising ‘Styccobond F44’ adhesive
Floor Covering	Product reference	“Polyflor Pearlazzo PUR”
	Generic type	PVC
	Detailed description / composition details	Heavy duty homogenous PVC flooring with a polyurethane surface reinforcement
	Batch No.	“7T424”
	Name of manufacturer	Polyflor
	Weight per unit area	2.95kg/m <sup>2</sup>
	Thickness	2.0mm
	Colour	Any
	Shade	Any
	Flame retardant details	<b>See Note 1 below</b>
Adhesive	Product reference	“Styccobond F44”
	Generic type	Acrylic based adhesive
	Name of manufacturer	F Ball & Co. Ltd.
	Application rate	200g/m <sup>2</sup>
	Application method	‘V’ notched trowel
	Flame retardant details	<b>The manufacturer stated that no flame retardant additives were utilised in the construction of the adhesive</b>
Substrate	Trade name	“NT D4 604”
	Generic type	Fibre cement board
	Supplier	Scheerders van de Kerkhove (SVK)
	Thickness	6mm
	Density	1800kg/m <sup>3</sup>
Brief description of manufacturing process of the floor covering		Calendered flooring

**Note: 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 anytime 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/extended application report Nos.	Test method / extended application rules & date
Exova warringtonfire	Polyflor Limited	WF192618	EN ISO 11925-2
Exova warringtonfire	Polyflor Limited	WF192619	EN ISO 9239-1
Exova warringtonfire	Polyflor Limited	WF192854	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	≥11.2, ≥11.2, ≥11.2	Compliant
	Smoke		56.6, 25.8, 59.5	Compliant
EN ISO 11925-2	F <sub>s</sub>	6	20-40	Compliant
	Flaming droplets/ particles		None	Compliant
	F <sub>s</sub>	6	20-40	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, "Polyflor Pearlazzo PUR", a Heavy duty homogenous PVC flooring with a polyurethane surface reinforcement, in relation to its reaction to fire behaviour is classified:

**B<sub>FL</sub>**

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>B<sub>FL</sub></b>	-	<b>s</b>	<b>1</b>

i.e. **B<sub>FL</sub> – s1**

**Reaction to fire classification: B<sub>FL</sub> – 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<sup>3</sup>, having a minimum thickness of 6mm and a fire performance of A2<sub>FL</sub> or better.
- ii) Installed directly to the substrate utilising 'F44' adhesive, applied at a nominal rate of 200g/m<sup>2</sup>

This classification is also valid for the following product parameters:

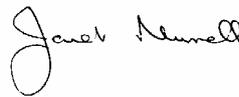
Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Floorcovering composition	No variation allowed
Colour/Pattern	Any variation allowed
Adhesive	No variation allowed
Adhesive application rate	No variation allowed
Adhesive application method	No variation allowed

**SIGNED**



.....  
**Matthew Dale**  
Certification Engineer

**APPROVED**



.....  
**Janet Murrell**  
Technical Manager  
For and on behalf of:  
**Exova Warringtonfire**

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