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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 Sport 67"

**Report No:**

303437

**Issue No:**

1

**Prepared for:**

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

**Date:**

11<sup>th</sup> January 2011

## 1. Introduction

This classification report defines the classification assigned to "Polyflor Sport 67", a hardwearing vinyl sports flooring, in accordance with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, "Polyflor Sport 67", a hardwearing vinyl sports flooring, is defined as being suitable for floorcovering applications.

### 2.2 Product description

The product, "Polyflor Sport 67", a hardwearing vinyl sports flooring, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Hardwearing vinyl sportsfloor designed for use in 'multi purpose' indoor sports arenas adhered to 6mm thick fibre cement based substrate utilising "Balls F44" adhesive
Thickness of composite		12.41mm (determined by Exova Warringtonfire)
Weight per unit area of composite		15.203g/m <sup>2</sup> (determined by Exova Warringtonfire)
Floor covering	Product reference	"Polyflor Sport 67"
	Generic type	PVC
	Batch No.	"2375660"
	Name of manufacturer	Polyflor
	Shade	"7516 Maple"
	Weight per unit area	4.51kg/m <sup>2</sup>
	Thickness	6mm
	Colour	Any colour / pattern
	Flame retardant details	See Note 1 below
Adhesive	Product reference	"Styccobond F44"
	Generic type	Acrylic based adhesive
	Name of manufacturer	F Ball & Co. Ltd.
	Application rate	20g/m <sup>2</sup>
	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 <sup>3</sup>
Brief description of manufacturing process of the floor covering		Calendered flooring

Note 1. The sponsor of the test was unwilling to provide this information

**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	199593	EN ISO 11925-2
Exova warringtonfire	Polyflor Limited	199594	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	6.3	Compliant	
	Smoke		298.68	Compliant	
EN ISO 11925-2	(15s exposure – surface warp)	6	F <sub>s</sub>	41.7	Compliant
			Flaming droplets/ particles	None	Compliant
	(15s exposure – surface weft)	6	F <sub>s</sub>	43.3	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, "Polyflor Sport 67", a hardwearing vinyl sports flooring, in relation to its reaction to fire behaviour is classified:

**C<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>C<sub>FL</sub></b>	<b>-</b>	<b>s</b>	<b>1</b>

i.e. **C<sub>FL</sub> – s1**

**Reaction to fire classification: C<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 20g/m<sup>2</sup>

This classification is also valid for the following product parameters:

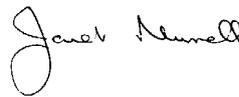
Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Floorcovering composition	No variation allowed
Colour/Pattern	Any variation allowed
Adhesive	No variation allowed
Adhesive application rate	No variation allowed
Adhesive application method	No variation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

**SIGNED**



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

**APPROVED**



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

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