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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:**

"Polyclad Pro PU"

**Report No:**

WF 332889

**Issue No:**

1

**Prepared for:**

Polyflor Limited  
P.O. Box 3  
Radcliffe New Road  
Whitefield  
Manchester  
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**Date:**

26<sup>th</sup> September 2013



## 1. Introduction

This classification report defines the classification assigned to "Polyclad Pro PU", a wall and ceiling cladding sheet, in line with the procedures given in EN 13501-1:2007+A1: 2009.

## 2. Details of classified product

### 2.1 General

The product, "Polyclad Pro PU", a wall and ceiling cladding sheet, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

### 2.2 Product description

The product, "Polyclad Pro PU", a wall and ceiling cladding sheet, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Wall and ceiling cladding sheet bonded to a plasterboard substrate	
Product reference		"Polyclad Pro PU"	
Name of manufacturer		Polyflor Limited	
Thickness of cladding		1.25mm (stated by sponsor) 1.45mm (determined by <b>Exova Warringtonfire</b> )	
Weight per unit area of cladding		1.90 kg/m <sup>2</sup> (stated by sponsor) 1.96kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )	
Overall thickness of composite		14.26mm (determined by <b>Exova Warringtonfire</b> )	
Overall weight per unit area of composite		9.99kg/m <sup>2</sup> (determined by <b>Exova Warringtonfire</b> )	
Batch reference		"5T066"	
Colour reference		Any colour / pattern	
PVC sheet	Coating	Product reference	<b>See Note 1 below</b>
		Generic type	Polyurethane
		Name of manufacturer	<b>See Note 1 below</b>
		Application rate	5g/m <sup>2</sup>
		Application method	Roller
		Curing process	<b>See Note 1 below</b>
		Flame retardant details	<b>See Note 1 below</b>
	PVC	Product reference	"Polyclad Pro PU"
		Generic type	PVC-based wall covering
		Name of manufacturer	Polyflor Limited
		Thickness	1.25mm
		Weight per unit area	1.90kg/m <sup>2</sup>
		Flame retardant details	<b>See Note 1 below</b>

Continued on next page



Adhesive	Product reference	"UZIN KE2000s"
	Generic type	Water based acrylic
	Name of manufacturer	Uzin Limited
	Application rate	150 – 200g/m <sup>2</sup>
	Application method	Notched trowel
	Flame retardant details	<b>See Note 1 below</b>
Substrate	Trade name	"Gyproc Soundbloc"
	Generic type	Paper faced plasterboard
	Supplier	British Gypsum
	Thickness	12.5mm
	Density	700kg/m <sup>3</sup>
Brief description of manufacturing process		Calendered

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
<b>Exova warringtonfire</b>	<b>Polyflor Limited</b>	WF 332689	EN ISO 11925-2
<b>Exova warringtonfire</b>	<b>Polyflor Limited</b>	WF 332688	EN 13823



### 3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 11925-2 (30s exposure - surface)	F <sub>s</sub>	6	Nil	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F <sub>s</sub>	6	12.5	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA <sub>0.2MJ</sub>	3	107.50	Compliant
	FIGRA <sub>0.4MJ</sub>		107.50	Compliant
	THR <sub>600s</sub>		5.87	Compliant
	LFS		None	Compliant
	SMOGRA		36.09	Compliant
	TSP <sub>600s</sub>		150.10	Compliant

## 4. Classification and field of application

### 4.1 Reference of classification

This classification has been carried out in accordance with clause 8 of EN 13501-1:2007+A1:2009.

### 4.2 Classification

The product, "Polyclad Pro PU", a wall and ceiling cladding sheet, in relation to its reaction to fire behaviour is classified:

**B**

The additional classification in relation to smoke production is:

**s2**

The additional classification in relation to flaming droplets / particles is:

**d0**

The format of the reaction to fire classification for construction applications, excluding flooring and linear pipe thermal insulation is:



0249

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	2	,	d	0

i.e. B – s2 , d0

## Reaction to fire classification: B – s2, d0

### 4.3 Field of application

This classification is valid for the following end use applications:

- i) Construction applications used over any substrate with a density equal to or greater than 700kg/m<sup>3</sup>, having a minimum thickness of 12.5mm and a fire performance of A2 or better.
- ii) Product installed utilising “UZIN KE2000s”, a water-based acrylic adhesive, at an application rate of 150-200g/m<sup>2</sup>.

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Product colour/pattern	Any variation allowed
Product composition	No variation allowed
Product construction	No variation allowed

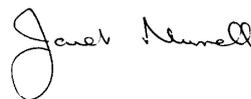
#### SIGNED



#### Matthew Dale

Certification Engineer  
Technical Department

#### APPROVED



#### Janet Murrell

Technical Manager  
Technical Department  
on behalf of **Exova warringtonfire**

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