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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 Plus PU"

Report No:

WF 382552

Issue No:

1

Prepared for:

Polyflor Limited
P.O. Box 3
Radcliffe New Road
Whitefield
Manchester
M45 7NR

Date:

18th April 2017



1. Introduction

This classification report defines the classification assigned to “Polyclad Plus PU”, a wall cladding sheet adhered to a plasterboard substrate, in line with the procedures given in EN 13501-1:2007+A1: 2009.

2. Details of classified product

2.1 General

The product, “Polyclad Plus PU”, is defined as being suitable for construction applications, excluding flooring and linear pipe thermal insulation.

2.2 Product description

The product, “Polyclad Plus PU”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Wall cladding sheet adhered to a plasterboard substrate
Thickness of overall composite		14.80mm (determined by Exova Warringtonfire)
Weight per unit area		11.66kg/m ² (determined by Exova Warringtonfire)
Cladding	Generic type	Polyvinyl chloride (PVC) based
	Product reference	“Polyclad Plus PU”
	Name of manufacturer	Polyflor Limited, Whitefield, Manchester
	Thickness	2.0mm
	Weight per unit area	3.53kg/m ²
	Colour reference	“2700 Dove White”
	Flame retardant details	See Note 1 Below
Adhesive	Product reference	“UZIN KE 2000 S”
	Generic type	Modified polyacrylate copolymers, resins and resin esters of vegetable origin
	Name of manufacturer	UZIN®
	Application rate	300 -350 g/m ²
	Application method	A2 trowel
	Flame retardant details	The supplier was unable to provide Exova Warringtonfire with this information
Substrate	Product reference	“Gyproc Wallboard”
	Generic type	Paper faced plasterboard
	Name of manufacturer	British Gypsum
	Thickness	12.5mm
	Density	700kg/m ³
	Flame retardant details	This component is inherently flame retardant
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
Exova Warringtonfire	Polyflor Limited	WF 381426	EN ISO 11925-2
Exova Warringtonfire	Polyflor Limited	WF 381425	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 _s	6	34.2	Compliant
	Flaming droplets/ particles		None	Compliant
EN ISO 11925-2 (30s exposure - edge)	F _s	6	32.5	Compliant
	Flaming droplets/ particles		None	Compliant
EN 13823	FIGRA _{0.2MJ}	3	99.43	Compliant
	FIGRA _{0.4MJ}		94.75	Compliant
	THR _{600s}		5.10	Compliant
	LFS		None	Compliant
	SMOGRA		212.80	Compliant
	TSP _{600s}		745.47	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 and EN 15102.

4.2 Classification

The product, "Polyclad Plus PU", a wall cladding sheet adhered to a plasterboard substrate, in relation to its reaction to fire behaviour is classified:

B

The additional classification in relation to smoke production is:

s3

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:

Fire Behaviour		Smoke Production			Flaming Droplets	
B	-	s	3	,	d	0

i.e. **B – s3 , d0**

Reaction to fire classification: B – s3, 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 870kg/m³, having a minimum thickness of 12.5 mm and a fire performance of A2 or better.
- ii) Product installed utilising "UZIN KE 2000 S", a modified polyacrylate based wall covering adhesive, at an application rate of 300-350g/m².

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

5. Limitations

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

SIGNED

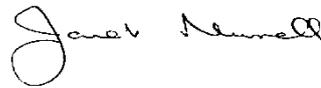


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APPROVED



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Technical Department
on behalf of **Exova Warringtonfire**

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