

Title:

CLASSIFICATION OF REACTION TO FIRE
PERFORMANCE
IN ACCORDANCE WITH
EN 13501-1: 2018.

Approved Body No:

0833

Product Name:

"Architex PUR"

Report No:

WF 435744

Issue No:

1

Prepared for:

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Date:

25th February 2021

1. Introduction

This classification report defines the classification assigned to "Architex PUR", a polyvinyl chloride based flooring, in line with the procedures given in EN 13501-1: 2018.

2. Details of classified product

2.1 General

The product, "Architex PUR", is defined as being suitable for flooring applications.

2.2 Product description

The product, "Architex PUR", is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

Generic type	Polyvinyl chloride based flooring
Product reference	"Architex PUR"
Detailed description / composition details	Fleece backed polyvinyl chloride
Name of manufacturer	Polyflor Ltd
Thickness	3.5mm (stated by sponsor)
Weight per unit area	2.15kg/m ² (stated by sponsor) 2.17kg/m ² (determined by Warringtonfire)
Shade	"3409 Chevron Strip"
Batch number	FT096/9
Flame retardant details	See Note 1 Below
Brief description of manufacturing process	Plastisol spreading / gelling
Substrate	The specimens were tested with a nominally 8mm thick fibre cement board (as specified in EN 13238: 2010) present.

Note 1: The sponsor of the test has confirmed that no flame retardant additives were utilised in the production of the product.

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
Warringtonfire	Polyflor Limited	WF 435741	EN ISO 11925-2: 2010
Warringtonfire	Polyflor Limited	WF 435739	EN ISO 9239-1: 2010

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 9239-1	Critical flux	3	8.09 kW/m ²	-
	Smoke		158.42 % min	-
EN ISO 11925-2 (15s exposure - surface)	F _s	6	-	Compliant ≤80 mm
	Flaming droplets/ particles		-	Compliant
EN ISO 11925-2 (15s exposure – edge)	F _s	6	-	Compliant ≤90 mm
	Flaming droplets/ particles		-	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: 2018 and EN 14041: 2004/AC: 2006.

4.2 Classification

The product, "Architex PUR", a polyvinyl chloride based flooring, 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 flooring applications 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/m^3 , having a minimum thickness of 6mm and a fire performance of $A2_{fl}-s1$ or better.
- ii) Installed with or without adhesive.

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



Stacey Deeming

Principal Engineer
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APPROVED



Matthew Dale

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On behalf of [Warringtonfire](#)

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