

**Title:**

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

**Notified Body No:**

0833

**Product Name:**

"E100 – PT1™"

**Report No:**

WF 417972

**Issue No:**

1

**Prepared for:**

**Elite Crete Systems**

1151 Transport Drive  
Valparaiso  
IN 46383

**Date:**

21<sup>st</sup> October 2019

## 1. Introduction

This classification report defines the classification assigned to “E100 – PT1™”, a coated board comprising a fiber rock board and an epoxy base coat, in accordance with the procedures given in EN 13501-1:2018.

## 2. Details of classified product

### 2.1 General

The product, “E100 – PT1™”, is defined as being suitable for floorcovering applications.

### 2.2 Product description

The product, “E100 – PT1™”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Epoxy coating applied to fiber rock board substrate
Product reference		“E100 – PT1™”
Name of manufacturer		Elite Crete Systems
Thickness		6.75mm (Stated by sponsor) 7.03mm (determined by <a href="#">Warringtonfire</a> )
Weight per unit area		7.98kg/m <sup>2</sup> (determined by <a href="#">Warringtonfire</a> )
Coating	Generic type	Epoxy coating
	Product reference	“E100 – PT1™”
	Name of manufacturer	Elite Crete Systems
	Colour reference	“Clear”
	Number of coats	One
	Thickness per coat	380microns
	Specific gravity	1054g/l
	Application method	Roller applied
	Curing process	Ambient temperature cure
Flame retardant details		<b>See Note 1 below</b>
Substrate	Generic type	Fiber rock board
	Product reference	“Fiberock®”
	Detailed description	Gypsum and cellulose fibre's
	Name of manufacturer	USG
	Thickness	6.35mm
	Weight per unit area / density	<b>See Note 2 below</b>
	Colour reference	“Grey”
Flame retardant details		<b>See Note 2 below</b>
Brief description of manufacturing process		Mixed resin applied to substrate

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

Note 2: The sponsor was unable 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
warringtonfire	Elite Crete Systems	WF 417936	EN ISO 11925-2
warringtonfire	Elite Crete Systems	WF 417931	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	8.44 kW/m <sup>2</sup>	Compliant
		Smoke		49.00 %min	Compliant
EN ISO 11925-2	(15s exposure – surface of decorative face)	F <sub>s</sub>	6	Nil	Compliant
		Flaming droplets/ particles		None	Compliant
	(15s exposure – edge of decorative face)	F <sub>s</sub>	6	≤ 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 13501-1:2018.

#### 4.2 Classification

The product, "E100 – PT1<sup>TM</sup>", a coated board comprising a fiber rock board and an epoxy base coat, 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 as constructed

This classification is also valid for the following product parameters:

Coating / substrate thickness	No variation allowed
Coating / substrate weight per unit area	No variation allowed
Coating / substrate composition	No variation allowed
Floorcovering construction	No variation allowed
Colour/Pattern	Any variation allowed

**5. Limitations**

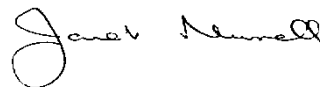
This document does not represent type approval or certification of the product.

**SIGNED**



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Technical Department

**APPROVED**



.....  
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on behalf of **warringtonfire**

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