

Title:

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

Notified Body No:

0833

Product Name:

"AUS-V™"

Report No:

WF 417971

Issue No:

1

Prepared for:

Elite Crete Systems

1151 Transport Drive
Valparaiso
IN 46383

Date:

21st October 2019

1. Introduction

This classification report defines the classification assigned to "AUS-V™", a coated board comprising a fiber rock board, epoxy base coat and a urethane topcoat, in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product, "AUS-V™", is defined as being suitable for floorcovering applications.

2.2 Product description

The product, "AUS-V™", is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Coating system comprising epoxy base coat and urethane topcoat applied to a fiber rock board substrate
Product reference		"AUS-V™"
Name of manufacturer		Elite Crete Systems
Thickness		6.75mm (Stated by sponsor) 7.03mm (determined by Warringtonfire)
Weight per unit area		7.72kg/m ² (determined by Warringtonfire)
Top coat	Generic type	Aliphatic urethane coating
	Product reference	"AUS-V™"
	Name of manufacturer	Elite Crete Systems
	Colour reference	"Clear"
	Number of coats	One
	Thickness	125microns
	Specific gravity	1064g/l
	Application method	Roller applied
	Curing process per coat	Ambient temperature cure
	Flame retardant details	See Note 1 below
Base coat	Generic type	Epoxy
	Product reference	"AUS-V™"
	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 per coat	Ambient temperature cure
	Flame retardant details	See Note 1 below

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Substrate	Generic type	Fiber rock board
	Product reference	"Fiberock®"
	Detailed description	Gypsum and cellulose fibres
	Name of manufacturer	USG
	Thickness	6.35mm
	Weight per unit area / density	See Note 2 below
	Colour reference	"Grey"
	Flame retardant details	See Note 2 below
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 417935	EN ISO 11925-2
warringtonfire	Elite Crete Systems	WF 417930	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	7.46 kW/m ²	Compliant	
	Smoke		63.76 %min	Compliant	
EN ISO 11925-2	(15s exposure – surface of decorative face)	F _s	6	≤ 20	Compliant
		Flaming droplets/particles		None	Compliant
	(15s exposure – edge of decorative face)	F _s	6	≤ 20	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, "AUS-VTM", a coated board comprising a fiber rock board, epoxy base coat and a urethane topcoat, in relation to its reaction to fire behaviour is classified:

C_{FL}

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	
C_{FL}	-	s	1

i.e. **C_{FL} – s1**

Reaction to fire classification: C_{FL} – 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

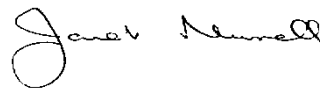
This document does not represent type approval or certification of the product.

SIGNED



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APPROVED



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on behalf of **warringtonfire**

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