

Title:

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

Notified Body No:

0833

Product Name:

"HERMETIC™ 4.8S"

Report No:

WF 417975

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 “HERMETIC™ 4.8S”, a polyurethane cement, in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product, “HERMETIC™ 4.8S”, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, “HERMETIC™ 4.8S”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description	Polyurethane cement
Product reference	“HERMETIC™ 4.8S”
Name of manufacturer	Elite Crete Systems
Thickness	6.35mm (Stated by sponsor) 7.99mm (determined by Warringtonfire)
Weight per unit area	14.63kg/m ² (determined by Warringtonfire)
Colour reference	“Grey”
Number of coats	1
Application method	Screed rake, then spike rolled
Curing process per coat	Ambient temperature cure
Flame retardant details	See Note 1 below
Brief description of manufacturing process	Polyurethane cement applied via screed rake, then spike rolled

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	Elite Crete Systems	WF 417939	EN ISO 11925-2
warringtonfire	Elite Crete Systems	WF 417934	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	10.53 kW/m ²	Compliant
		Smoke		87.79 %min	Compliant
EN ISO 11925-2	(15s exposure – surface of decorative face)	F _s	6	Nil	Compliant
		Flaming droplets/ particles		None	Compliant
	(15s exposure – edge of decorative face)	F _s	6	≤ 10	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, "HERMETIC™ 4.8S", a polyurethane cement, 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 floorings 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 as constructed over any substrate with a minimum thickness of 8mm, a minimum density of 1800kg/m³ and a minimum fire performance of A2_{FL}-s1

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

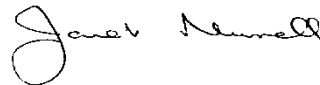
This document does not represent type approval or certification of the product.

SIGNED



.....
Matthew Dale
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Technical Department

APPROVED



.....
Janet Murrell
Technical Manager
Technical Department
on behalf of **warringtonfire**

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