

Title:

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

Notified Body No:

0833

Product Name:

"Gripsure Bamboo Non-slip Decking"

Report No:

WF 421579

Issue No:

2

Prepared for:

Gripsure (UK) Limited,
Unit 2 Rockhill Business Park,
Bugle,
Cornwall,
PL26 8RA

Date:

25th November 2019

1. Introduction

This classification report defines the classification assigned to “Gripsure Bamboo Non-slip Decking”, a Bamboo non-slip decking fixed mechanically with steel screws to a fibre cement board substrate, in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product, “Gripsure Bamboo Non-slip Decking”, a Bamboo non-slip decking fixed mechanically with steel screws to a fibre cement board substrate, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, “Gripsure Bamboo Non-slip Decking”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Bamboo non-slip decking fixed mechanically with steel screws to a fibre cement board substrate
Product reference		“Gripsure Bamboo Non-slip Decking”
Name of manufacturer		Gripsure (UK) Ltd
Thickness		30mm (stated by sponsor) 28.95mm (determined by Warringtonfire)
Weight per unit area		38.31kg/m ² (stated by sponsor) 40.34kg/m ² (determined by Warringtonfire)
Aggregate	Generic type	Guyan bauxite
	Product reference	See Note 1 below
	Detailed description	0.4 - 1.4mm guyan bauxite
	Name of manufacturer	DSF Refractories
	Thickness	0.4 - 1.4mm
	Density	3050kg/m ³
	Colour reference	“Grey”
	Flame retardant details	See Note 2 below
Resin	Generic type	2 part epoxy resin
	Product reference	See Note 1 below
	Name of manufacturer	See Note 1 below
	Colour reference	“Beige”
	Number of coats	One
	Thickness per coat	3mm
	Density	1100kg/m ³
	Application method	Dispensed as a bead
	Curing process per coat	Natural
Flame retardant details	See Note 2 below	
Timber	Generic type	Bamboo Decking
	Product reference	“Bamboo Decking”
	Timber species	Bamboo – Bambusoideae
	Thickness	20mm
	Density	1075kg/m ³
	Name of manufacturer	Gripsure
	Flame retardant details	See Note 2 below

Substrate	Generic type	Cement fibre board
	Product reference	"Minerit"
	Composition details	Cement, cellulose, filler, plastic fibre, acrylic paint
	Name of manufacturer	Esspee
	Thickness	10mm
	Density	1681kg/m ³
	Colour reference	"Grey"
	Flame retardant details	See Note 2 below
Brief description of manufacturing process		Mill board manufacturing process

Note 1: The sponsor was unwilling to provide this information.

Note 2: 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	Gripsure (UK) Limited	WF 421185	EN ISO 11925-2
Warringtonfire	Gripsure (UK) Limited	WF 421184	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	8.93 kW/m ²	Compliant	
	Smoke		23.61 %min	Compliant	
EN ISO 11925-2	(15s exposure – surface of decorative face)	6	F _s	0 mm	Compliant
			Flaming droplets/ particles	None	Compliant
	(15s exposure – edge of decorative face)		F _s	≤ 20 mm	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, "Gripsure Bamboo Non-slip Decking", a Bamboo non-slip decking fixed mechanically with steel screws to a fibre cement board substrate, 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 applied over any substrate with a minimum density of 1681kg/m³, having a minimum thickness of 10mm and a fire performance of A2_{FL} or better.
- ii) Installed with or without adhesive.

This classification is also valid for the following product parameters:

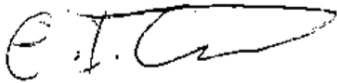
Floorcovering thickness	No variation allowed
Floorcovering weight per unit area	No variation allowed
Floorcovering composition	No variation allowed
Floorcovering construction	No variation allowed
Colour/Pattern	Any variation allowed

5. Limitations

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

"The classification assigned to the product in this report is appropriate to a declaration of conformity by the manufacturer within the context of system 3 attestation of conformity and CE marking under the Construction Products Directive. The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate. The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested."

SIGNED

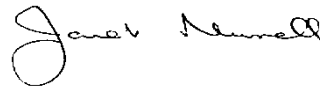


.....

Euan Gardner

Junior Certification Engineer
Technical Department

APPROVED



.....

Janet Murrell

Technical Manager
Technical Department
on behalf of **warringtonfire**

Issue 2: Reference to resin product reference and manufacturer removed at the request of the sponsor. E. Gardner. (Issued 3rd December 2019).

This copy has been produced from a .pdf format electronic file that has been provided by **Warringtonfire** to the sponsor of the report and must only be reproduced in full. Extracts or abridgements of reports must not be published without permission of **Warringtonfire**. The pdf copy supplied is the sole authentic version of this document. All pdf versions of this report bear authentic signatures of the responsible **Warringtonfire** staff.

This report may only be reproduced in full. Extracts or abridgements of reports shall not be published without permission of Warringtonfire. All work and services carried out by Warringtonfire Testing and Certification Limited are subject to, and conducted in accordance with, the Standard Terms and Conditions of Warringtonfire Testing and Certification Limited, which are available at <https://www.element.com/terms/terms-and-conditions> or upon request.