

Title:

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

Notified Body No:

0833

Product Name:

“Cladco Solid Composite Decking”

Report No:

WF 426953

Issue No:

1

Prepared for:

Cladco Profiles Limited
North Road Industrial Estate
North Road
Okehampton
Devon
EX20 1BQ

Date:

4th March 2020

1. Introduction

This classification report defines the classification assigned to “Cladco Solid Composite Decking”, a 50% hardwood and 50% polyethylene composite product, in accordance with the procedures given in EN 13501-1:2018.

2. Details of classified product

2.1 General

The product, “Cladco Solid Composite Decking”, is defined as being suitable for floorcovering applications.

2.2 Product description

The product, “Cladco Solid Composite Decking”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

Generic type	Composite comprising 50% hardwood and 50% polyethylene
Product reference	“Cladco Solid Composite Decking”
Name of manufacturer	Zhejiang Kejie New Material Co. Ltd
Thickness	25mm (stated by sponsor) 23.62mm (determined by Exova Warringtonfire)
Weight per unit area	30.43kg/m ² (determined by Exova Warringtonfire)
Colour reference	“Brown” (observed by Exova Warringtonfire)
Flame retardant details	See Note 1 below
Substrate	The specimens were tested with an 8mm thick fibre cement board substrate (as specified in EN 13238: 2010) present
Brief description of manufacturing process	See Note 2 below

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 of the test is 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	Cladco Profiles Limited	WF 397802	EN ISO 11925-2
warringtonfire	Cladco Profiles Limited	WF 397801	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	5.7 kW/m ²	Compliant
		Smoke		35.17 %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	≤ 20mm	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, “Cladco Solid Composite Decking”, a 50% hardwood and 50% polyethylene composite product, 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 applied over any substrate with a minimum density of 1800kg/m³, having a minimum thickness of 6mm 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

5. Limitations


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

SIGNED



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Matthew Dale
Principal Certification Engineer
Technical Department

APPROVED



.....
Katie Williams
Certification Engineer
Technical Department
on behalf of **warringtonfire**

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