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Title:

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

Product Name:

"20mm Lite Board"

Report No:

WF 504678

Issue No:

1

Prepared for:

Milwood Group (Alideck)
27 Rochester Airport Industrial Est.
Laker Road
Rochester
Kent
ME1 3QX

Date:

19th July 2021

1. Introduction

This classification report defines the classification assigned to “20mm Lite Board”, a coated aluminium decking board, in line with the procedures given in EN 13501-1: 2018.

2. Details of classified product

2.1 General

The product, “20mm Lite Board”, is defined as being suitable for flooring applications.

2.2 Product description

The product, “20mm Lite Board”, is fully described below and in the test reports provided in support of classification listed in Clause 3.1.

General description		Coated aluminium decking board
Product reference		“20mm Lite Board”
Name of manufacturer		Canoports UK Ltd
Profile thickness		1.5mm (sheet, stated by sponsor) 20.08mm (profiled product - determined by Warringtonfire)
Profile weight per unit area		8.81kg/m² (determined by Warringtonfire)
Profile detail		120mm x 20mm
Coating	Generic type	Polyester
	Product reference	“QD9128985MRT.90”
	Name of manufacturer	Sherwin Williams Syntha Pulvin
	Colour reference	“Grey”
	Number of coats	One
	Application thickness	60 – 80µm
	Application rate	128g/m²
	Density / specific gravity	1.6
	Application method	Corona
	Curing process	200°C for 10 minutes
	Flame retardant details	**See Note 1 Below**
Substrate	Generic type	Aluminium extrusion
	Product reference	“6063T6”
	Name of manufacturer	Canoports UK Ltd
	Thickness	1.5mm (sheet) 20mm (profile as tested)
	Weight per unit area	1.865kg/m²
	Colour reference	“Silver”
	Flame retardant details	**See Note 1 Below**
Brief description of manufacturing process		Aluminium extrusion + powder coating

Note 1: The sponsor of the test was unwilling 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	Canoports UK Ltd T/a Milwood Group	WF 418174	EN ISO 1716: 2018
Warringtonfire	Canoports UK Ltd T/a Milwood Group	WF 505256 (Issue 2)	EN ISO 1716: 2018 composite summary report
Warringtonfire	Canoports UK Ltd T/a Milwood Group	WF 429109 incorporating Supplement No. 1 (Issue 2)	EN ISO 9239-1: 2010

3.2 Test results

Test method & test number	Parameter	No. tests	Results	
			Continuous parameter - mean (m)	Compliance parameters
EN ISO 9239-1	Critical flux	3	≥11.0 kW/m²	Compliant
	Smoke		4.43 %min	Compliant
EN ISO 1716	Coating - PCS (b)	3	2.1 MJ/m²	Compliant
	Aluminium - PCS (a)	Deemed to satisfy (0.00)		Compliant
	For the product as a whole PCS (d)	Summary result	1.1 MJ/Kg	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, “20mm Lite Board”, a coated aluminium decking board, in relation to its reaction to fire behaviour is classified:

$A2_{fl}$

The additional classification in relation to smoke production is:

s1

The format of the reaction to fire classification for flooring applications is:

Fire Behaviour		Smoke Production	
$A2_{fl}$	**-**	**s**	**1**

i.e. $A2_{fl}$ – s1

Reaction to fire classification: $A2_{fl}$ – s1

4.3 Field of application

This classification is valid for the following end use applications:

i) Floorcovering applications

This classification is also valid for the following product parameters:

Product thickness	No variation allowed
Product weight per unit area	No variation allowed
Coating colour	No variation allowed
Coating application rate	No variation allowed
Coating thickness	No variation allowed
Coating composition	No variation allowed
Product construction	No variation allowed

5. Limitations

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

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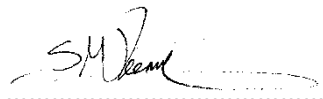

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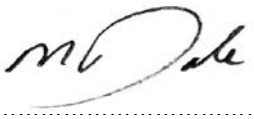
Stacey Deeming
Principal Engineer
Technical Department

APPROVED



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Matthew Dale
Principal Certification Engineer
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on behalf of Warringtonfire