

Title:

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

Product Name:

"30mm Balcony Board"

Report No:

WF 504676

Issue No:

1

Prepared for:

Canoports UK Ltd
T/A Milwood Group
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Date:

19th July 2021

1. Introduction

This classification report defines the classification assigned to “30mm Balcony 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, “30mm Balcony board”, is defined as being suitable for flooring applications.

2.2 Product description

The product, “30mm Balcony 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 | | “30mm Balcony Board” |
| Name of manufacturer | | Canoport UK Ltd |
| Profile thickness | | 1.5mm (sheet, stated by sponsor) 30mm (profiled product - determined by Warringtonfire) |
| Profile weight per unit area | | 17.68kg/m ² (determined by Warringtonfire) |
| Coating | Generic type | Polyester |
| | Product reference | “QD9128985MRT.90” |
| | Name of manufacturer | Sherwin Williams Syntha Pulvin |
| | Colour reference | “Grey Sparkle Speckle Textured” |
| | Number of coats | One |
| | Application thickness | 60 – 80µm |
| | Application rate | 128g/m ² |
| | 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 | Canoport UK Ltd |
| | Thickness | 1.5mm (sheet) 30mm (profile as tested) |
| | Weight per unit area | 1.865kg/m ² |
| | Colour reference | “Silver” |
| | Flame retardant details | |
| 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 | Canoport UK Ltd T/a Milwood Group | WF 418174 | EN ISO 1716: 2018 |
| Warringtonfire | Canoport UK Ltd T/a Milwood Group | WF 505256 (Issue 2) | EN ISO 1716: 2018 composite summary report |
| Warringtonfire | Canoport UK Ltd T/a Milwood Group | WF 423489 (Issue 2) 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 | $\geq 11.0 \text{ kW/m}^2$ | Compliant |
| | Smoke | | 6.34 %min | Compliant |
| EN ISO 1716 | Coating - PCS (b) | 3 | 2.1 MJ/m ² | 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, "30mm Balcony 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

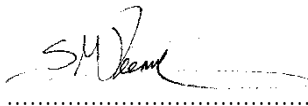
This classification is also valid for the following product parameters:

| | |
|------------------------------|----------------------|
| 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.

SIGNED


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Stacey Deeming
Principal Engineer
Technical Department

APPROVED


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Matthew Dale
Principal Certification Engineer
Technical Department
on behalf of [Warringtonfire](#)

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