System Laboratories UK LTD Classification Report

Classification of reaction to fire performance of construction products and building elements in accordance with BS EN 13501-1:2018

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Prepared for	Woodform Architectural t/a Sculptform
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Contents

1. Introduction 4
2. Details of classified product 5
   2.1. General 5
   2.2. Traceability 5
   2.3. Sample details 5
   2.4. Detailed product description 6
3. Reports and results in support of this classification 7
   3.1. Reports 7
   3.2. Results 8
4. Classification and field of application 9
   4.1. Reference of classification 9
   4.2. Classification 9
   4.3. Field of application 9
5. Limitations 9
6. References 10

1. Introduction

This classification report defines the classification assigned to Sculptform Click-on, in accordance with the procedures given in BS EN 13501-1: 2018.

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

Sponsor:	Woodform Architectural t/a Sculptform
Prepared for:	Woodform Architectural t/a Sculptform
Place of manufacture:	9 Gray Street, Golden Square, Victoria, 3551, Australia
CAB Number:	N/A
Classification report No.:	626-A
Date of issue	08/02/2024

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2. Details of classified product

2.1. General

Classification according to BS EN 13501-1:2018 of Sculptform Click-on.

2.2. Traceability

The test sample was supplied by the sponsor. System Laboratories UK LTD was not involved in the sampling process and therefore cannot comment upon the relationship between the samples supplied for the test and the products supplied to the market.

2.3. Sample details

Test sponsor	Woodform Architectural t/a Sculptform East Leake Loughborough Leicestershire UK
Place of manufacture	9 Gray Street Golden Square Victoria 3551 Australia
Trade name	Sculptform Click-on
Sample description (as provided by sponsor)	PolyOlefin Woodfinish Decorative Foil with Timber Pattern print, embossed glued to a Aluminium 6106/T6 extrusion

Product data (as provided by sponsor)

Generic type of product	Aluminium extrusion with surface laminate
Nominal thickness (mm)	2.06
Density of core (kg/m^3)	2700
Mass per unit area (kg/m^2)	5.56
Colour	Yellow Brown Wood Print Pattern
Test face	Outer woodfinish face of the test wall components

Flame retardant added, or organic content limited during production	N/A

Substrate and ventilation conditioned

Substrate	N/A
Type of air gap	20mm

2.4. Detailed product description

The product is configured as detailed below, front to back.

Woodfinish	Type of product/layer	Decorative foil
	Product/layer reference	Woodfinish
	Thickness	0.16mm
	Colour	Yellow Brown Wood Print Pattern
	Construction form	PolyOlefin Woodfinish Decorative Foil with Timber Pattern print, embossed
PU Adhesive	Type of product/layer	PolyUrethane Reactive Hotmelt Adhesive
	Product/layer reference	Adhesive
	Thickness	0.05mm
	Colour	Opaque white
	Construction form	Moisture cured, Thermoset adhesive
Aluminium	Type of product/layer	Extruded Aluminium
	Product/layer reference	Aluminium
	Thickness	2mm
	Colour	Metallic
	Construction form	Extruded aluminium panels, fixed together on rails, 20mm air gap

3. Reports and results in support of this classification

3.1. Reports

Name of laboratory	Name of test sponsor	Test report No.	Test method/field of applicatior
System Laboratories UK	Woodform Architectural t/a Sculptform	624A	BS EN 13823:2020+A1:2022
System Laboratories UK	Woodform Architectural t/a Sculptform	625A	BS EN ISO 11925-2:2020

3.2. Results

Standard/Decision	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance with class B-s1,d0
BS EN 13823:2020+A1:2022	$FIGRA_{0.2MJ}$	3	64.83 W/s	≤ 120 W/s **Compliant**
BS EN 13823:2020+A1:2022	THR_{600s}	3	2.90 MJ	≤ 7.5 MJ **Compliant**
BS EN 13823:2020+A1:2022	LFS	3	Not reached edge	Not reached edge **Compliant**
BS EN 13823:2020+A1:2022	SMOGRA	3	0 m^2/s^2	≤ 30 m^2/s^2 **Compliant**
BS EN 13823:2020+A1:2022	TSP_{600s}	3	20.83 m^2	≤ 50 m^2 **Compliant**
BS EN 13823:2020+A1:2022	Flaming droplets	3	No flaming droplets	No flaming droplets **Compliant**
BS EN ISO 11925-2:2020	Fs	6,6	No flame spread	≤ 150mm **Compliant**

4. Classification and field of application

4.1. Reference of classification

This classification has been carried out in accordance with BS EN 13501-1:2018.

4.2. Classification

The product Sculptform Click-on, in relation to reaction to fire behaviour is classified:

Fire behaviour		Smoke production		Flaming droplets
B	- s	1	, d	0

Reaction to fire classification:	**B-s1,d0**

4.3. Field of application

This classification is valid for the following product and mounting and fixing parameters:

Thickness	No variation allowed
Colour	No variation allowed
Composition/build up	No variation allowed
Density of core	No variation allowed
Mass per unit area	No variation allowed
Air gap	20mm

5. Limitations

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

The laboratory has played no part in sampling of the product.

6. References

BS EN 13501-1:2018 - Fire classification of construction products and building elements

BS EN ISO 11925-2:2020 - Reaction to fire tests. Ignitability of products subjected to direct impingement of flame - Single-flame source test

BS EN 13823:2020 - Reaction to fire tests for building products. Building products excluding floorings exposed to the thermal attack by a single burning item

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