

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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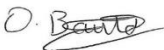
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Issue A
Prepared for James Taylor Ltd.
Date 22/05/2024

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A	22/05/2024	First issue

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1. Introduction

This classification report defines the classification assigned to The Barracuda Brick Slip Support System, 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:	James Taylor Ltd.
Prepared for:	James Taylor Ltd.
Place of manufacture:	62 Barwell Business Park, Leatherhead Road, KT9 2NY, UK
CAB Number:	N/A
Classification report No.:	775-A
Date of issue	22/05/2024

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2. Details of classified product

2.1. General

Classification according to BS EN 13501-1:2018 of The Barracuda Brick Slip Support System.

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	James Taylor Ltd. 62 Barwell Business Park Leatherhead Road KT9 2NY UK
Place of manufacture	As above
Trade name	The Barracuda Brick Slip Support System
Sample description (as provided by sponsor)	Brick slip support system
Product data (as provided by sponsor)	
Generic type of product	Brick slip support system
Nominal thickness (mm)	100 mm
Density of core (kg/m ³)	7900 (Stainless Steel) & 2700 (Aluminium)
Mass per unit area (kg/m ²)	8.788
Colour	Metallic
Test face	N/A

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

Substrate and ventilation conditioned

Substrate N/A
 Type of air gap Any

2.4. Detailed product description

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

Horizontal Brick Slip Retention Rail	Type of product/layer	Horizontal Brick Slip Retention Rail
	Product/layer reference	Barracuda Stainless Steel 'Standard' Rail [R1]
	Thickness	40 mm (Projecting leg dimension)
	Colour	Metallic
	Construction form	Riveted to Vertical Rails VL and VT
Horizontal Brick Slip Retention Rail	Type of product/layer	Horizontal Brick Slip Retention Rail
	Product/layer reference	Barracuda Stainless Steel 'Bottom' Rail [R2]
	Thickness	30.75 mm (Projecting leg dimension)
	Colour	Metallic
	Construction form	Riveted to Vertical Rails VL and VT
Horizontal Brick Slip Retention Rail	Type of product/layer	Horizontal Brick Slip Retention Rail
	Product/layer reference	Barracuda Stainless Steel 'Top' Rail [R3]
	Thickness	30.75 mm (Projecting leg dimension)
	Colour	Metallic
	Construction form	Screwed to Vertical Rails VL and VT
Vertical Substructure Rail	Type of product/layer	Vertical Substructure Rail
	Product/layer reference	Barracuda Extruded Aluminium Vertical Rail [VL]
	Thickness	68mm [maximum projecting dimension]
	Colour	Metallic
	Construction form	Screwed to Helping Hand Brackets
Mineral Wool	Type of product/layer	Mineral wool
	Product/layer reference	Mineral wool
	Thickness	Any
	Colour	Green
	Construction form	Friction fit

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 application
System Laboratories UK	James Taylor Ltd.	773A	BS EN ISO 1182:2020
System Laboratories UK	James Taylor Ltd.	774A	BS EN ISO 1716:2018

3.2. Results

Standard/Decision	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance with class
				A1
BS EN ISO 1716:2018 (a) Mineral Wool	MJ/kg	3	0.573 MJ/kg	$\leq 2 \text{ MJ/kg}$ Compliant
BS EN ISO 1716:2018 (e) Product as whole	MJ/kg	3	0.117 MJ/kg	$\leq 2 \text{ MJ/kg}$ Compliant
BS EN ISO 1182:2020 Mineral Wool	ΔT	5	7.14 °C	$\leq 30 \text{ °C}$ Compliant
BS EN ISO 1182:2020 Mineral Wool	Δm	5	2.23%	$\leq 50 \%$ Compliant
BS EN ISO 1182:2020 Mineral Wool	t_f	5	No sustained flaming	No sustained flaming Compliant

Note:

Metals were not tested in accordance with BS EN ISO 1716:2018 clause 9.4.1 where all metals are deemed to have a calorific value of 0.

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 The Barracuda Brick Slip Support System, in relation to reaction to fire behaviour is classified:

Fire behaviour	Smoke production	Flaming droplets
A1	s	d

Reaction to fire classification:	A1
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4.3. Field of application

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

Thickness	Any
Colour	Metallic, Green (Mineral Wool)
Composition/build up	Mineral wool can be removed
Density of core	Any
Mass per unit area	Any

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 1182:2020 - Reaction to fire tests for products — Non-combustibility test

BS EN ISO 1716:2018 – Reaction to fire tests for products — Determination of the gross heat of combustion (calorific value)

-End of Report-