

# 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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Report Number 775  
Issue A  
Prepared for James Taylor Ltd.  
Date 22/05/2024

Issue	Date	Notes
A	22/05/2024	First issue

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*Prepared by*

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Date 22/05/2024

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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        Brick slip support system  
provided by sponsor)

#### Product data (as provided by sponsor)

Generic type of product	Brick slip support system
Nominal thickness (mm)	100 mm
Density of core (kg/m <sup>3</sup> )	7900 (Stainless Steel) & 2700 (Aluminium)
Mass per unit area (kg/m <sup>2</sup> )	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	≤ 2 MJ/kg <b>Compliant</b>
BS EN ISO 1716:2018 (e) Product as whole	MJ/kg	3	0.117 MJ/kg	≤ 2 MJ/kg <b>Compliant</b>
BS EN ISO 1182:2020 Mineral Wool	ΔT	5	7.14 °C	≤ 30 °C <b>Compliant</b>
BS EN ISO 1182:2020 Mineral Wool	Δm	5	2.23%	≤ 50 % <b>Compliant</b>
BS EN ISO 1182:2020 Mineral Wool	t <sub>f</sub>	5	No sustained flaming	No sustained flaming <b>Compliant</b>

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**

### 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-**