



Report No.: 1369-D



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 MyDek Ltd.
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Issue	Date	Notes
A	13/02/2025	First issue
B	26/01/2026	Update for additional profile and updated worst performing results
C	24/04/2026	Extension to all colours
D	11/05/2026	Updated extension of scope

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1. Introduction

This classification report defines the classification assigned to Aspira Reversible Decking Board and Innova Decking/Soffit Board , 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:	MyDek Ltd.
Prepared for:	MyDek Ltd.
Place of manufacture:	The sponsor has requested to keep this confidential, however System Laboratories holds all the relevant data
CAB Number:	N/A
Classification report No.:	1369-D
Date of issue	11/05/2026

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2. Details of classified product

2.1. General

Classification according to BS EN 13501-1:2018 of Aspira Reversible Decking Board and Innova Decking/Soffit Board.

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	MyDek Ltd. 11 Arkwright Road Reading RG2 0LU UK
Place of manufacture	The sponsor has requested to keep this confidential, however System Laboratories holds all the relevant data
Trade name	Aspira Reversible Decking Board and Innova Decking/Soffit Board
Sample description (as provided by sponsor)	Powder coated Aspira aluminium decking 20 x 244mm reversible board mounted on 32mm BoxRail substrate
	Product data (as provided by sponsor)
Generic type of product	Powder coated aluminium decking
Thickness	20 mm - Nominal & 2 mm Aluminium Thickness / 140 microns - Max for PP
Density of core	2710 kg/m ³
Mass per unit area	10.84 kg ² - Aluminium (Calculated by laboratory)
Application rate of PPC	Maximum - 0.1923 kg/m ²
Colour	Interpon D2525 Structura RAL 3004 (Red)
Test face	Either side

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

Substrate and ventilation conditioned

Substrate No substrate tested
Air gap 32 mm minimum

2.4. Detailed product description

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

PPC	Type of product/layer	PPC
	Product/layer reference	PPC
	Thickness	140 microns (maximum)
	Application rate	0.1923 kg/m ² (maximum)
	Colour	Interpon D2525 Structura RAL 3004 (Red)
	Construction form	PPC applied to 2 mm aluminium
Reversible Aluminium Boards	Type of product/layer	Reversible aluminium boards
	Product/layer reference	Reversible aluminium boards
	Thickness	20 x 244 mm
	Colour	Metallic
	Construction form	Reversible aluminium boards
Proprietary BoxRail	Type of product/layer	Proprietary BoxRail
	Product/layer reference	Proprietary BoxRail
	Thickness	32 mm minimum
	Colour	Metallic
	Construction form	BoxRail Frame



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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	MyDek Ltd.	1308-A	BS EN 13823:2020+A1:2022
Warringtonfire	MyDek Ltd.	530367 Version 1	EN ISO 1716:2018
System Laboratories UK	MyDek Ltd.	1967-A	BS EN 13823:2020+A1:2022
CSTB	AKZO NOBEL SAS	RA25-0066	NF EN 13501-1:2018
System Laboratories UK	MyDek Ltd.	2177-A	BS EN 13823:2020+A1:2022

3.2. Results

Test method	Parameter	Number of tests	Results	
			Continuous parameter mean	Compliance with class A2-s1,d0
BS EN 13823:2020+A1:2022	FIGRA _{0.2}	3	18.63 W/s	≤ 120 W/s Compliant
BS EN 13823:2020+A1:2022	THR ₆₀₀	3	0.75 MJ	≤ 7.5 MJ Compliant
BS EN 13823:2020+A1:2022	LFS	3	No spread to edge	No spread to edge Compliant
BS EN 13823:2020+A1:2022	SMOGRA	3	4.44 m ² /s ²	≤ 30 m ² /s ² Compliant
BS EN 13823:2020+A1:2022	TSP ₆₀₀	3	24.78 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 1716:2018 (b)	MJ/m ²	3	0.1923 MJ/m ²	≤ 4 MJ/m ² Compliant
BS EN ISO 1716:2018 (e) Product is a whole	MJ/kg	3	0.7132 MJ/kg	≤ 3 MJ/kg Compliant

Note:

The aluminium was not tested in the EN ISO 1716:2018 due to clause 9.4.1 where 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 Aspira Reversible Decking Board and Innova Decking/Soffit Board, in relation to reaction to fire behaviour is classified:

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Fire behaviour Smoke production Flaming droplets
 A2 - s 1 , d 0

Reaction to fire classification:	A2-s1,d0
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4.3. Field of application

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

Thickness	Aluminium - No variation allowed PPC - ≤ 120 microns
Colour	All colours
Density of core	No variation allowed
Mass per unit area	Aluminium - No variation allowed PPC - ≤ 0.1923 kg/m ²
Composition/build up	Aspira Reversible Decking Board and Innova Decking/Soffit Board
Substrate	No variation allowed
Air gap	Metallic frame with minimum gap of 32mm

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

BS EN 13823:2020+A1:2022 - Reaction to fire tests for building products. Building products excluding floorings exposed to the thermal attack by a single burning item

-End of Report-