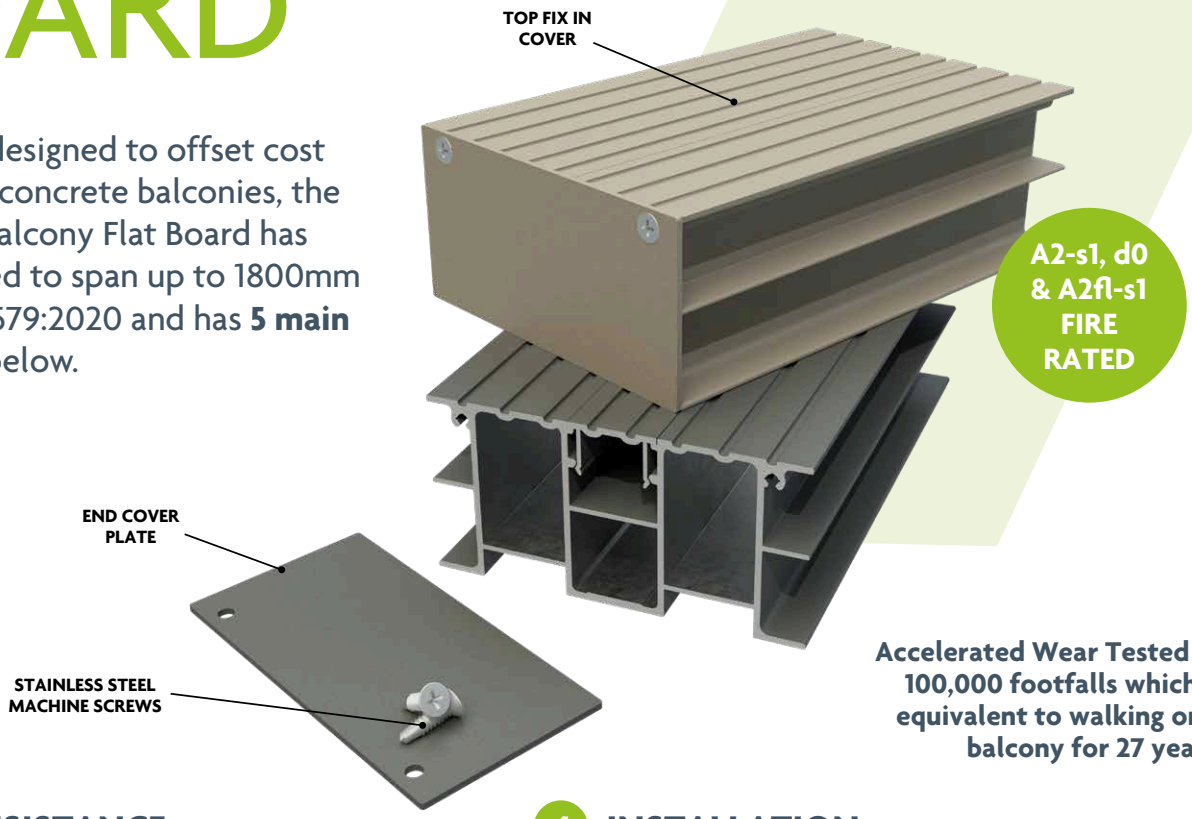
AliDeck

XL BALCONY BOARD

MADE IN BRITAIN

Specification Datasheet

Specifically designed to offset cost on steel and concrete balconies, the AliDeck XL Balcony Flat Board has been designed to span up to 1800mm to meet BS8579:2020 and has **5 main features** as below.



A2-s1, d0 & A2fl-s1 FIRE RATED

Accelerated Wear Tested to 100,000 footfalls which is equivalent to walking on a balcony for 27 years.

1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A2-s1, d0** and **A2fl-s1**.

2 DRAINAGE

AliDeck boards are compatible with various AliDrain systems. Contact us for drainage calculations.

3 SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
A	Dry	100	100	100	100	100	100	100	100	100	0	Low
A	Wet	85	86	85	85	84	84	83	82	84	0	Low
B	Dry	76	79	78	78	77	77	76	77	77	0	Low
B	Wet	48	47	46	46	45	44	44	44	45	0	Low
C	Dry	99	99	98	97	97	96	95	97	96	0	Low
C	Wet	59	58	57	56	55	54	54	53	54	0	Low

Pendulum Test Values (PTVs) - Low Slip Potential 35+ | Moderate Slip Potential 25-35 | High Slip Potential 0-25

Please Note: The test is conducted 8 times, with the first three tests being 'warm up tests' the data then starts to be recorded upon the 4th test. The average is taken from the 5 tests and is shown in the column marked MEAN.

The directions are; Length, Width & Diagonal. Each direction has a score depending on wet and dry conditions. Direction **A** is length, direction **B** is width, and direction **C** is diagonal.

The tests were carried out in accordance with BS7976 part 2.

The full test report is available for download from our website.

4 INSTALLATION

Speed and ease of installation are key to any project, so we have designed a board that has a unique invisible (structural) top clip system which can be installed from the top down. The board can also be trimmed down the length to match any projection of balcony and still be structurally stable across the whole plank.

5 AESTHETICS

AliDeck operates its very own Qualicoat Standard **IN-HOUSE** seven-stage pre-treatment powder-coating facility using Class 2 powders for complete peace of mind.

All AliDeck Boards have been independently tested for Fire performance for flooring, walls, and ceilings to BS EN 13501 (BS EN 13823, and BS EN ISO 1716). Also tested for Slip-resistance to BS 7976 Part 2; Wear-resistance to SATRA TM391. Loading performance to BS 6180; Deflection performance to BS 8118, BS 6399, and BS 1991.

ALIDECK™
Aluminium Decking

Product Specification

- Fire resistant: A2-s1, d0 and A2fl-s1
- Slip resistance in the dry – see table overleaf
- Slip resistant in the wet – see table overleaf
- The weight of the standard balcony board including the clip in cover is 3.09 kg per linear M
- Coating thickness - 60-80 microns
- Impact test - with an energy of 2.5kN to ensure that the coating adheres to the substrate to EN ISO 6272 / ASTM D2794
- Bend test - on 5mm mandrel to ensure adhesion after bending to EN ISO 1519
- Machu Test (accelerated corrosion test) - in a solution made up of sodium chloride acetic acid and hydrogen peroxide at 37 degrees °C Duration 48 hours Qualicoat
- 2.4.1. - cross hatch cuts are made at 2mm spacings with one being at 90 degrees to the other cut, tape is the applied left for 2 minutes and removed to check for adhesion of paint (EN ISO 2409 2013)
- Qualicoat 2.18 - sawing and drilling test to ensure no flaking after cutting (using sharp tools)
- Acid salt spray test - ISO 9227
- EN ISO 3231 - Resistance to humid atmospheres containing Sulphur Dioxide
- EN ISO 11341 - Accelerated weathering test
- EN ISO 20810 - Natural weathering test (Florida Test) (Carried out on Powder Type)
- EN ISO 12206-1 - Resistance to mortar (Carried out on powder type)
- EN ISO 6270 – 2 - Constant climate condensation water test.
- Choice of colours - Available in a wide range of RAL colours.

Protective Finish

The planks are coloured using the seven-stage pre-treatment Qualicoat Standard. Qualicoat is a quality label organisation committed to maintaining and promoting the quality of coating on aluminium and its alloys for architectural applications.

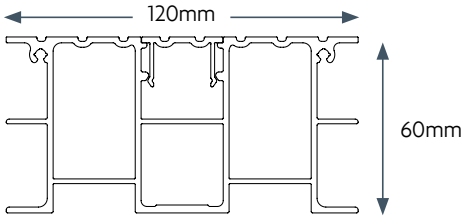
Installation

The AliDeck aluminium decking boards are 50% quicker to install compared to other decking systems on the market. This is because you only need to install the AliDeck Joists or support system up to every 1800mm on a 2.0kN point load to comply with BS 8579:2020, whereas traditional decking systems require joists every 400mm. Full installation videos and installation guides are available on **www.alideck.co.uk**.

Dimensions

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 60mm

The boards can be cut to size along both the length and width



Maximum Overall Decking Area: Unlimited
Allowable Span: 1800mm on a 2kN point load

Construction

The boards are constructed completely from 100% aluminium (6063 T6 grade), up to 67% of which has been recycled to make these boards eco-friendly and much better for the environment.

Maintenance

AliDeck's aluminium decking, finished with a 7-stage Qualicoat system, requires minimal maintenance. A quick wipe with a damp lint-free cloth is enough. Our superior class 2 powder coating exceeds industry standards, ensuring lasting quality with less upkeep.

Colour Options

AliDeck Boards and Joists are available in our 10 standard colours. Please refer to our Standard Colour Range datasheet for colour options (available at **www.alideck.co.uk/decking/boards/alideck-colours/**).

Non-standard colours are available on request as special orders, but may affect cost and lead-time. The Boards and Joists can be supplied non-coated/mill finish to achieve A1 fire rating.



Warranty

The decking is supplied with a **30 year warranty** against splitting, cracking, warping, splintering, rotting, twisting and material or manufacturing defects. It has a minimum **60 year life** expectancy.

A2-s1, d0 & A2fl-s1 FIRE RATED
ALL ALUMINIUM
HEAT RESISTANT
DURABLE TEXTURED FINISH
LOW MAINTENANCE
RECYCLABLE
STABLE IN ALL WEATHER CONDITIONS

Europa & Jenner House
Victory Park
1-2 Trident Close
Medway City Estate
Rochester ME2 4ER

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www.alideck.co.uk

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