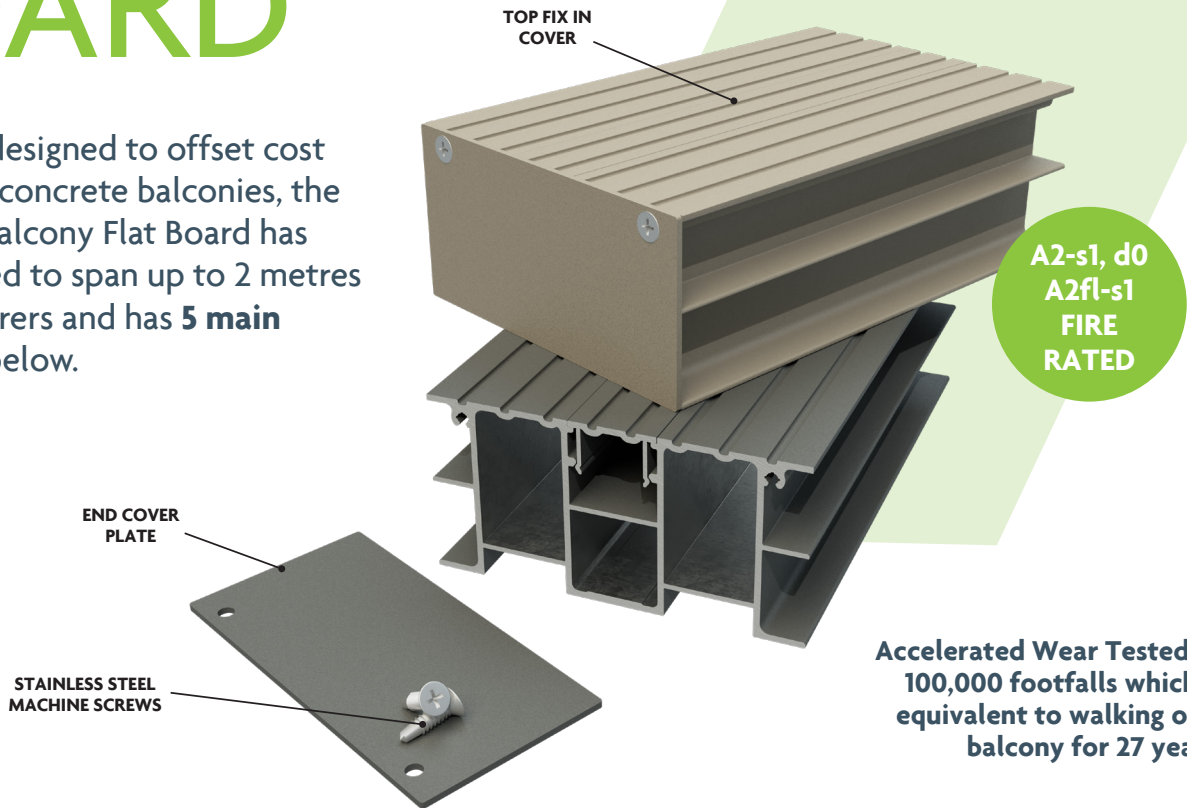


AliDeck XL BALCONY BOARD

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 2 metres between bearers and has **5 main features** as below.



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

They can also be spaced to allow for varying drainage requirements (unlike any other system).

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

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 SPAN

Spans up to 2 metres meaning the amount of underside support material required is drastically reduced.

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.

All AliDeck Boards have been independently tested for fire performance to BS EN 13823, BS EN 13501, and BS EN ISO 1716; for slip-resistance to BS 7976 Part 2; for wear-resistance to SATRA TM391; for loading performance to BS 6180; for deflection performance to BS 8118, BS 6399, and BS 1991.

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 2.5Km 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 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 Qualicoat powder coating finish. 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 a support joist or a steel bearer every 2 metres on a 4kN loading, whereas most other decking systems require joists every 400mm. Full installation videos and installation guides are available on our website.

Dimensions

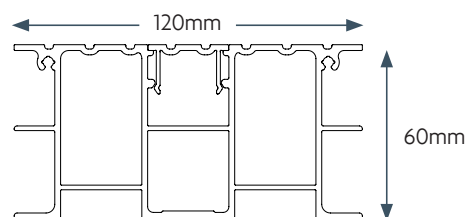
INDIVIDUAL BOARDS:

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: 2000mm on 4kN 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

Due to the fact that AliDeck is aluminium and finished using the 5 stage Qualicoat system, little or no maintenance is required. General grime can be removed simply with a damp, lint free cloth or mop with warm soapy water.

Colour Options

AliDeck Boards and Joists are available in our full range of standard colours. Please refer to our Standard Colour Range datasheet for colour options (available at www.alideck.co.uk/downloads).

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**.



ALL ALUMINIUM



HEAT RESISTANT



DURABLE TEXTURED FINISH



LOW MAINTENANCE



RECYCLABLE



STABLE IN ALL WEATHER CONDITIONS



A2-S1, D0 & A2fl-s1 FIRE RATED

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