

AliDeck LITE BOARD

Specification Datasheet

The AliDeck Lite board has been specifically designed to be an entry level system that is perfect for the retrofit or replacement applications, this product will span 400mm between supports on a 4kN distributed load, it can be used with all of our support systems and gutter systems if required. We have designed this system to be fast and efficient to install and has a unique clip down solution to make it easy and quick to install and had **5 main features** in mind.



1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A1** and **A2fl-s1**.

2 DRAINAGE

These boards can be used with our gutter and drainage channel system.

3 SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
A	Dry	70	68	67	67	67	67	67	66	67	0	Low
A	Wet	44	41	39	39	39	38	38	38	38	0	Low
B	Dry	65	64	64	64	64	64	63	62	63	0	Low
B	Wet	44	44	39	38	38	38	38	38	38	0	Low
C	Dry	66	65	64	64	64	63	62	62	63	0	Low
C	Wet	50	47	45	45	45	44	44	44	44	0	Low

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

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

Aesthetics are key to a great finish; our boards are designed to look like decking but not to feel like aluminium.

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: A1 and A2fl-s1 when coated
- Slip resistance in the dry – see table overleaf
- Slip resistant in the wet – see table overleaf
- The weight of the Lite board including the clip in cover is 1.36 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 37degrees 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 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

This unique clip down system has been designed with installation in mind, it features a central clip system that is invisible once installed, meaning no visible fixings between the boards. Full installation videos and installation guides are available on www.alideck.co.uk.

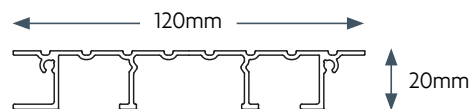
Dimensions

INDIVIDUAL BOARDS:

Length: 4 & 6 metres

Width: 120mm

Depth: 20mm



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

Maximum Overall Decking Area: Unlimited
Allowable Span: 400mm on 4kN load

Construction

The boards are constructed completely from 100% aluminium (6063 T6 grade), up to 30% 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



A1 & A2fl-s1 FIRE RATED

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