ECOSCAPE UK

ALUMINIUM EASY FIX DECKING

September 2024

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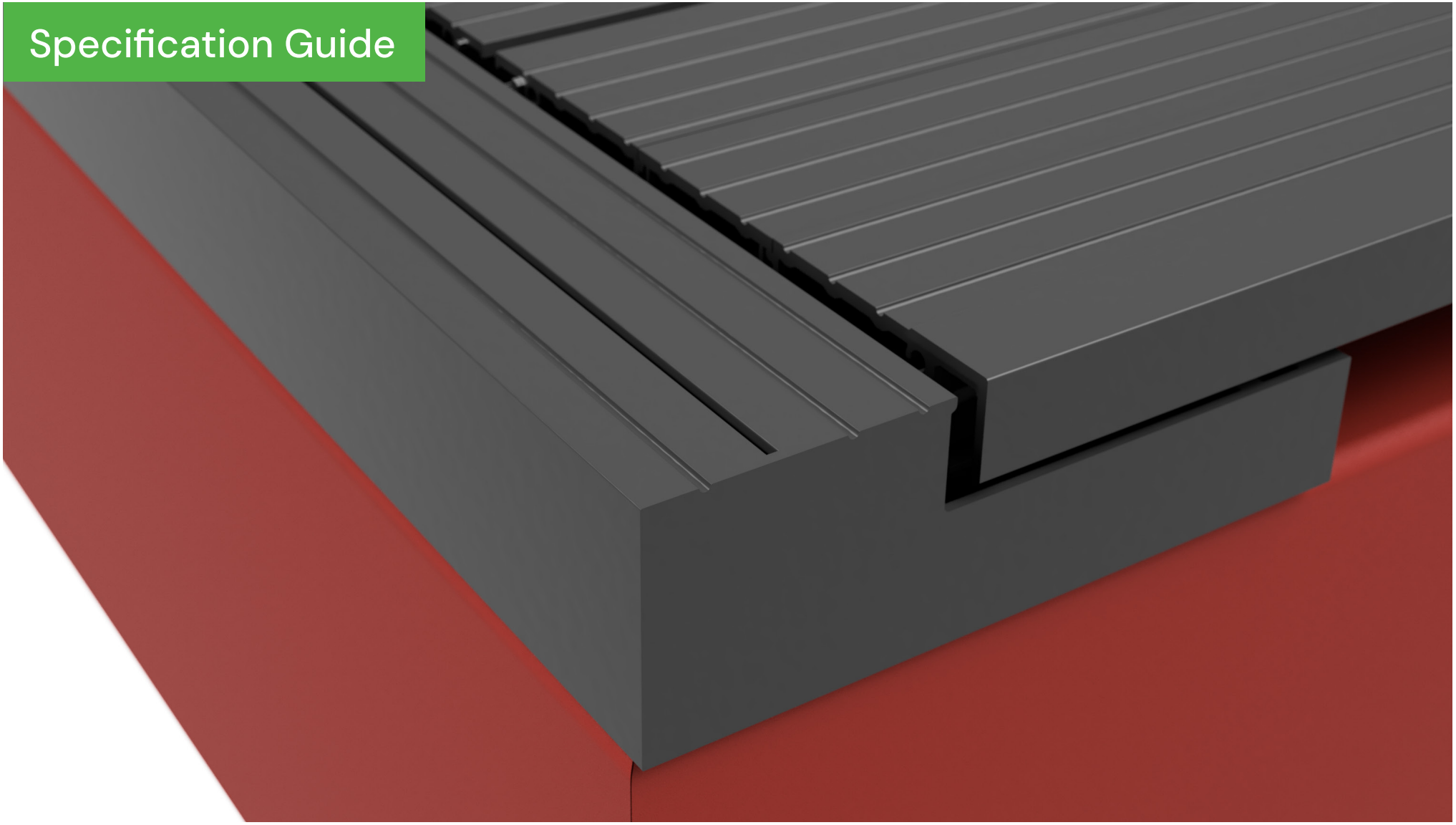
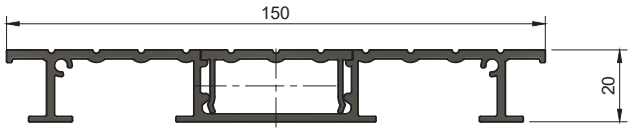
Specification Guide



Aluminium Composite Decking

The Ecoscape UK Aluminium Decking System is designed to meet Eurcoclass Fire Ratings A2-s1,d0. Aluminium Decking and joists are made from 6063 T6 aluminium, and coated using Qualicoat 2 for excellent durability.
The full system is includes drainage manage accessories, for compliance with BS 6180, and is completed with a range of electrophoretically coated steel pedestals for use on roof terraces.



PRODUCT CODES

Length	RAL 9005	RAL 7016	RAL 7037	RAL 8014
3.6m	ECOAD2015036BK	ECOAD2015036AT	ECOAD2015036DG	ECOAD2015036SB

Please Note: Bespoke Lengths and colours are available upon request, subject to minimum orders and lead times. Please contact us for details.

DETAILS

Length: 3600mm

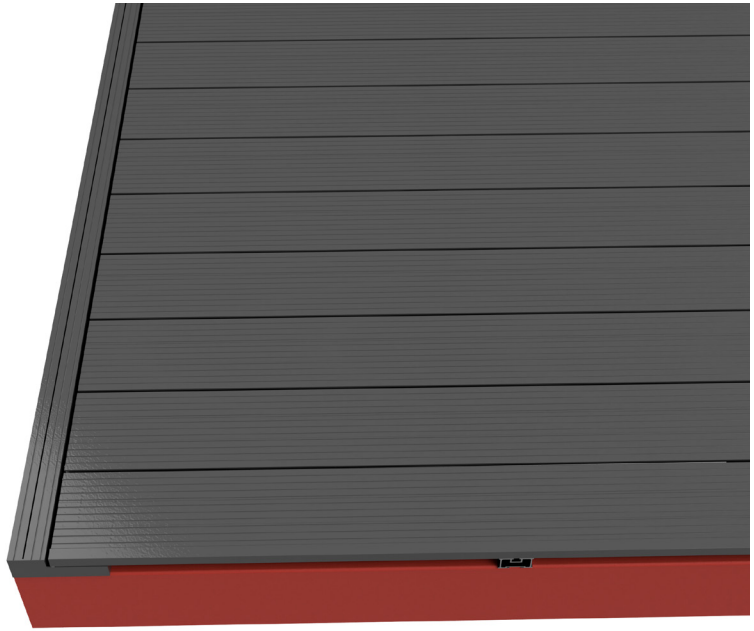
Width: 150mm

Thickness: 20mm

Weight: 2.31kg p/lm

Material: 6063-T6 Aluminium

Finish: Improved Slip Resistance Powdercoat Finish with Grooves



Aluminium Easy Fix 20 x 150mm Decking Benefits

With a low profile point but certainly not low in benefits: made from 6063-T6 aluminium, the boards are strong and non-combustible; the hidden fixing and clip-on insert is easy to fit; the boards incorporate recycled materials, and is 100% recyclable at end of life.

The system uses Qualicoat II grade powdercoat, for durability and sustainability - and come with a 25 year warranty.

FAST, EASY INSTALL

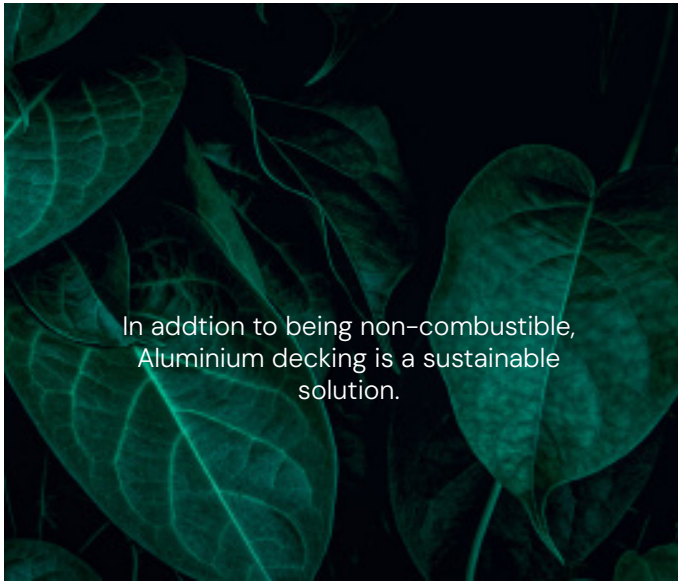
RECYCLED MATERIALS

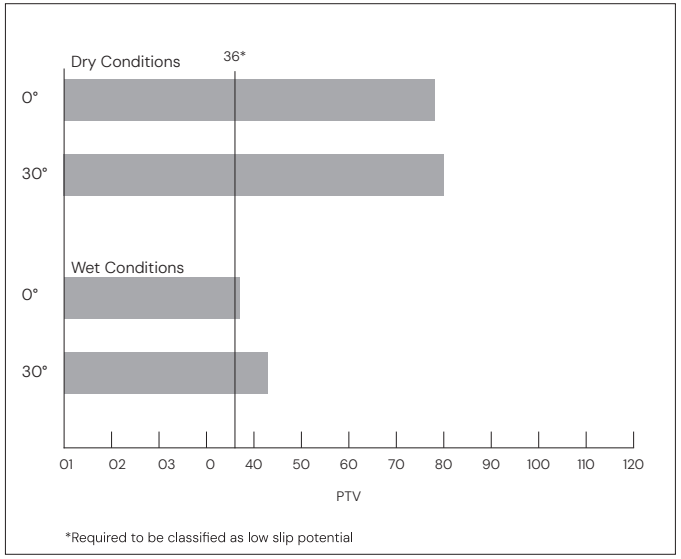
HIDDEN FIXINGS

A2 FIRE RESISTANT

LOW MAINTENANCE

UV STABLE





Sustainable Choice

Ecoscape Aluminium decking is a sustainable choice.

Aluminium's durability, long lifecycle, and efficient recyclability minimise environmental impact. At the end of its service life, the material is easily recycled into new products, reducing reliance on virgin resources and energy usage. At Ecoscape, we are committed to ethical production practices that divert waste from landfills, ensuring a healthier, more sustainable future for our environment.landfill.

Pendulum Test Value

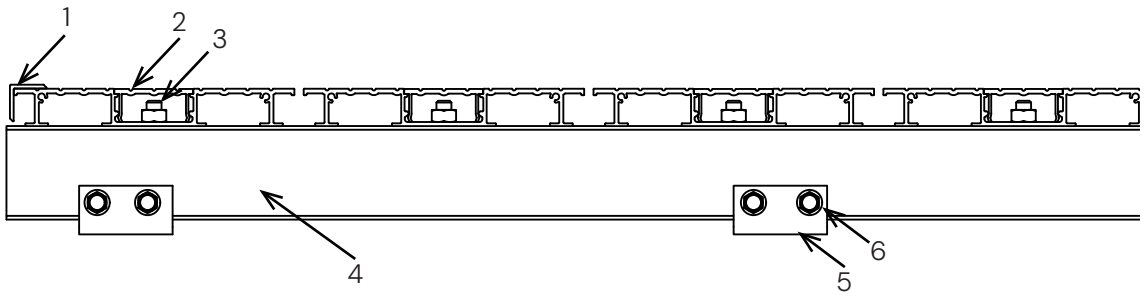
The slip test method results on the left show that Ecoscape UK Aluminium Decking is exceed the required PTV of 36 required to be classified as low slip potential, when tested in wet and dry conditions, as per BS 7976.

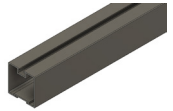
Working Specification - Aluminium Decking Systems

The drawings below show a typical substructure detail for Ecoscape UK Aluminium Easy Fix decking, shown with Ecoscape's Non-combustible Substructure.

Please Note: Ecoscape 20 x 150mm Aluminium easy fix decking boards be installed with supports placed at no more than 600mm centres*

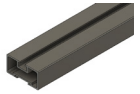
Typical Installation Detail - Aluminium Decking with aluminium joist & cradles





50 x 50mm Aluminium Joist (ECOADJ5050)
-
3600 x 50 x 50mm

Spans 900mm max. between supports*



50 x 25mm Aluminium Joist (ECOADJ5025)

Spans 400mm max. between supports*

1: Alumimium Decking Angle Trim (ECOAD20AT)

2: Deck Board Insert (ECOADI36)

3: Fixings - Stainless Steel M8 bolt and nut

4: 50 x 20mm Ecoscape Aluminium Decking Joist (ECOADJ5050)

5: Non-combustible Decking Cradle

6: Fixings - self-drilling hex drive flanged head screws

Ecoscape UK Aluminium Easy Fix 20 x 150mm decking. Deck boards can be fixed into our joists, using M8 bolts and nuts, or directly into balcony steels, using self-tapping screws.

*based on 2kN point load as per BS8579:2020

For further information, please see Ecoscape's **Aluminium Easy Fix Decking Installation Guide** on www.ecoscape.co.uk

Applications

This system is suitable for us on balconies, roof terraces, walkways, and decking areas requiring A2 fire resistance performance (BS EN 13501), including (with additional drainage accessories) where drainage management is required in line with BS8579

Installation

Ecoscape UK 20 x 150mm Easy Fit decking can be installed with either M8 nuts, affixed to M8 bolts held captive within the joist profile, or with self-drilling screws, or bolts when fixing for example to balcony steels

Please Note: Ecoscape 20 x 150mm Aluminium easy fix decking boards be installed with supports placed at no more than 600mm centres.

Storage and Handling

Ecoscape aluminium decking profiles are supplied with a film designed to prevent scratching to the powdercoat surface from light force during storage, handling and installation. This film should be removed prior to use. Materials should be stored under cover, protected from weather and in the shade, until ready to install, ensuring that all profiles are adequately supported along their lengths, to prevent distortion or deformation. All products should not be stored outside and or covered with plastic sheeting to ensure dry conditions. Ecoscape will not be held responsible for issues that arise from poor storage.

Accessories

A full range of accessories, angle trims, board closers; non-combustible height adjustable pedestals; non-combustible self-levelling height adjustable pedestals, pedestal weight-spreading pedestal base; joist connectors; drainage channels; drainage gutters.

For futher information, please see: www.ecoscape.co.uk or call 01706364637

For further information, please see Ecoscape's Aluminium Easy Fix Decking Installation Guide on www.ecoscape.co.uk

Property	Test Method	Test Result	Notes
Deflection	1 point bending BS8579:2020	3.	Bending TEST
Flexural Strength	BS EN 15534-1:2014	Average maximum loading: 8671N	
Fire Behaviour	EN 13501: EN 13823:2020; EN ISO 1716:2010	A2-s1,d0	
Slip Resistance	BS EN 7976:2002	(PTV) Dry Conditions: 0° - 45° - Wet Conditions: 0°- 37 45° - 74	
Slip Resistance	BS EN 7976:2002	(PTV) Dry Conditions: 0° - 45° - Wet Conditions: 0°- 37 45° - 74	0° indicates direction along the length of the deck board.

Property	Test Method	Test Result	Notes
Powdercoat Specification: (Qualicoat Standard)	Qualicoat Standard: ISO 2360; ISO 2409; ISO 2815; ISO1520; ISO1519: ISO 16474; ISO 9272-1; ISO 3231; ISO 9227; ISO 12206-1 Florida Test	**Qualicoat Class: 2** Thickness: 72µm Gloss Cat. 2 Dry Adhesion - Satisfactory Wet Adhesion - Satisfactory Indentation - Satisfactory Cupping - Satisfactory Bend Test - Satisfactory Impact Test - Satisfactory Resistance to humid atmospheres containing sulphur dioxide - satisfactory Acetic acid salt spray - satisfactory Accelerated Weather - Satisfactory Resistance to Mortar - Satisfactory Weathering test: 3 Year Florida	

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