BUILDDECK
Elevate.Outdoor.Living

Technical Specification
Quickfit Aluminium Decking **System**

Complete Non-combusible Quick fit Aluminium Decking System.

An easy and sustainable decking solution.

Aluminium Decking | Aluminium Substructures | Steel Pedestals

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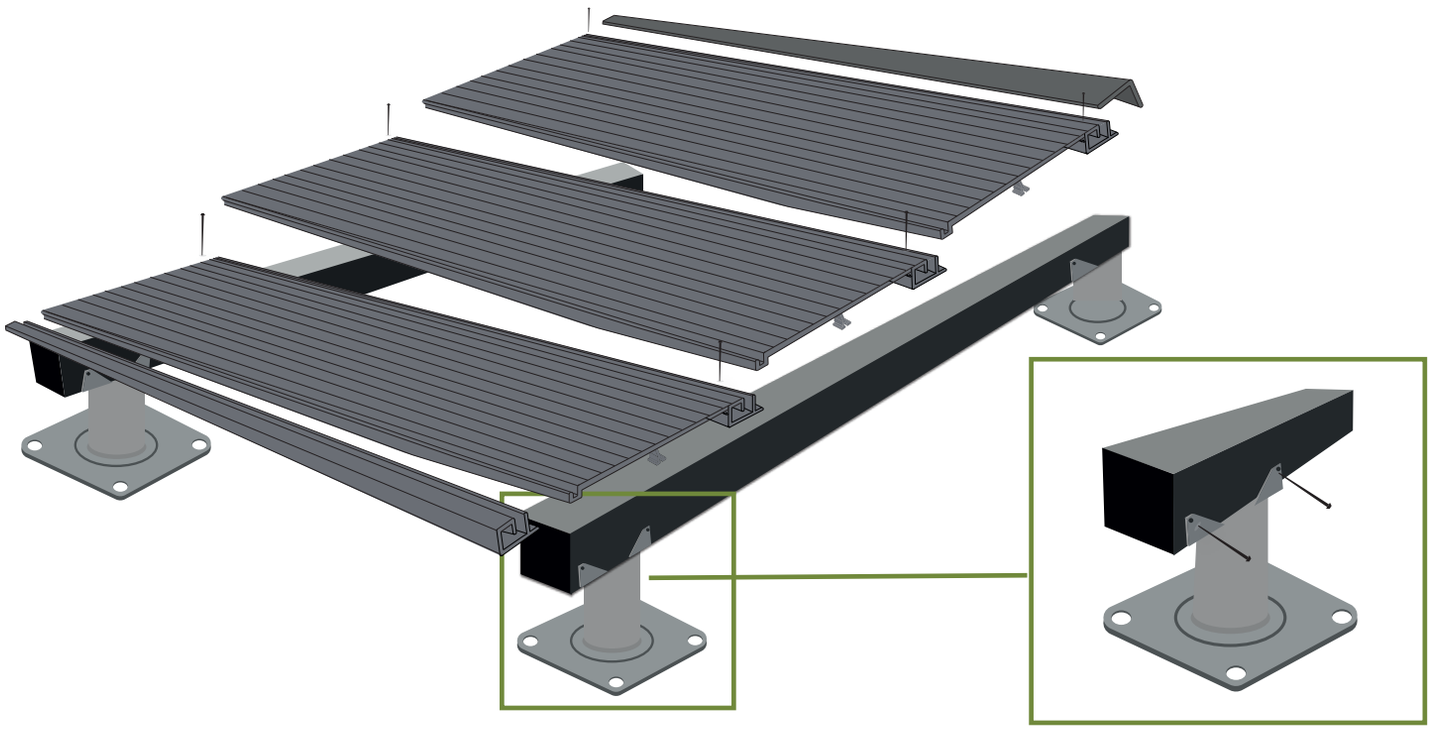
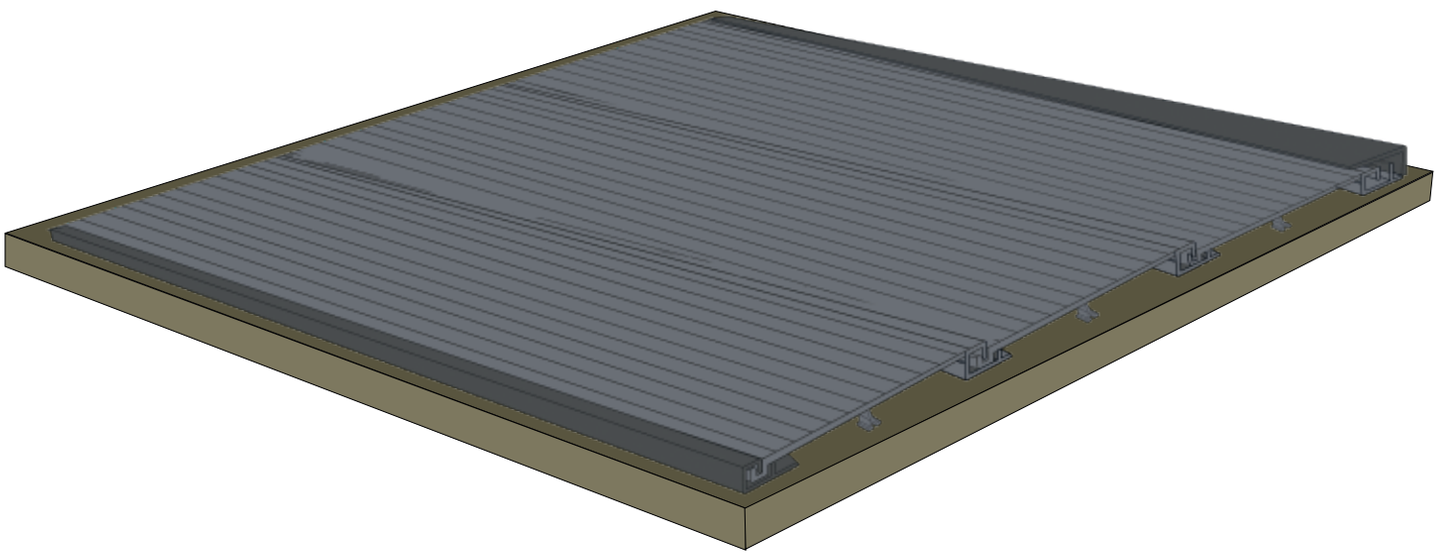
At the forefront of developing an environmentally friendly alternative to traditional timber options, BuildDeck Aluminium Decking and substructure with steel pedestals, achieving A1 or A2 s1 d0 rating against the European Standard BS EN13501-1. — the European standard for fire classification of construction products — while maintaining the great aesthetics of timber.



Fitted to a metal rame - balcony



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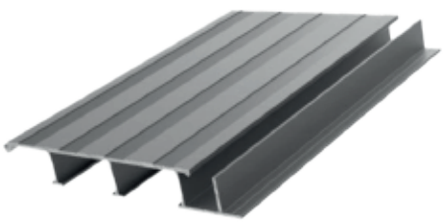
Available Colours

Also Available in Standard RAL Colours on request



RAL 7039

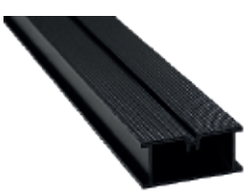
Specifications

Reaction to fire:	Powder Coated: EN 13501-1: Class A2, Anodized: EN 13501-1: Class A1, Non-combustible
Material grade:	T6-6063 Aluminium
Board dimension:	150 x 21 x 3600 mm (Width Covergae: 125 mm) - Bespoke lengths available
Joist span:	600 mm
Profile:	Grooved
Finish:	Powder Coated
Colour:	Standard: RAL 7039, all standard RAL colours available on requets
Allowable load (Uniformly distributed):	4.0 kN/m2
Allowable load (Concentration):	2.0 kN/m2
Accessorie:	Starter Trim / L Cover Trim / aluminium joists / metal pedestal

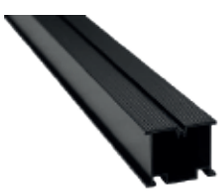
Aluminium Joists

Specifications

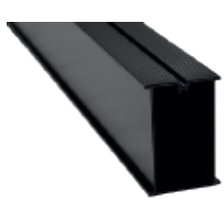
Reaction to fire:	Powder Coated: EN 13501-1: Class A2, Non-combustible
Profiles	22 mm x 48 mm
	50 mm x 50 mm
	72 mm x 48 mm
Length:	3600 mm
Finish:	Powder Coated
Support Spans	22 mm x 48 mm: 400 mm
	50 mm x 50 mm: 600 mm
	72 mm x 48 mm: 800 mm



22 mm x 48 mm



50 mm x 50 mm



72 mm x 48 mm

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Pedestals

Specifications

Reaction to fire:	Powder Coated: EN 13501-1: Class A2
Base Plate:	100 mm x 2mm
Head Plate:	90 mm x 3 mm
Height Range:	25 mm to 600 mm
Finish:	Powder Coated
Max Working Pedestal Load:	2 kn force on centre

Why Use Aluminium Decking?

Class A Fire Rating
BuildDeck Aluminium Decking is manufactured from non-combustible aluminium, which will not ignite or contribute to fire spread. It achieves a Class A fire rating, offering peace of mind for use in regulation-sensitive environments.

Environmentally Friendly
Our Aluminium Decking is 100% recyclable without any degradation in quality or performance. It is an eco-conscious choice that supports sustainable building practices and contributes to a circular economy.

Lightweight Structure
Aluminium is significantly lighter than traditional timber, reducing the load on supporting structures such as roofs and balconies. This makes it ideal for applications where weight is a critical consideration.

Superior Structural Integrity
Aluminium Decking maintains its form and strength over time. It will not warp, bow, or sag between supports or pedestals, ensuring a consistently level and stable walking surface.

Quick and Efficient Installation
Designed with ease of installation in mind, our decking system features a concealed clip mechanism that allows for fast, clean, and secure assembly with minimal tools and labour.

Low Slip Risk
The precision-engineered grooved surface provides excellent slip resistance, even in wet conditions, enhancing safety in residential and commercial applications alike.

Low Maintenance Requirements
Durable and corrosion-resistant, Aluminium Decking requires no staining, sealing, or ongoing surface treatments. It is designed to withstand harsh weather conditions with minimal upkeep.

Wide Range of Colour Options
Our standard decking colours include Grey and Ebony. For larger-scale projects, customisation is available with any standard RAL colour to match your design vision or brand identity.

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