

PEDECK

PEDECK ALU



NON-COMBUSTIBLE ALUMINIUM DECKING SOLUTION

The PEDECK ALU Decking System is light-weight, non-combustible, aluminium decking system that has been designed with the practicalities of everyday living in mind.

Fast and easy to install either on-site or as an off-site prefab option, it comes with extra wide fixing channels, meaning there's no need for cumbersome clips.

A range of board widths are available for added flexibility, as well as additional support leg options.

The system comes in two different variations; Comfort Grip and Enhanced Grip:

Comfort Grip boards offer a sleek and modern aesthetic that will add architectural interest to any installation.

Enhanced Grip boards are the perfect choice when slip resistance is a key specification, providing an extra 15% grip in dry conditions and an additional 20% grip in wet conditions.

Both variations are made from 100% recycled aluminium and are 100% recyclable at the end of life.

30 year structural performance warranty included with a lifetime expectancy of 60 years.

Certified for all safety requirements for high rise balconies, roof terraces and walkways.



Made from
Aluminium



Heat
Resistant



Durable
Textured Finish



Low
Maintenance



Recyclable



Stable in all
Weather Conditions



A2-s1, d0 & A2fl-s1
Fire Rated



30 Year
Warranty



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PEDECK ALU Comfort Grip 147

Physical properties	20mm depth	30mm depth
Fire rating	Tested to BS EN 13501-1: A2fl-s1 / A2-s1, d0	
Slip resistance	Tested to BS7976-2 classification: Low slip potential	
Wear resistance	Tested to EN 660-2. Excellent resistance to wear	
Decorative resistance	Qualicoat 1 with a Qualicoat endorsed "seaside" pre-treatment	
Colour	Anthracite Grey (RAL 7016). Other RAL available*	
Material	Aluminium 6063 tempered to T6 100% recycled	
Sustainability	Made from 100% recycled aluminium and 100% recyclable at end of use	
Length	4m, 5m or 6m	
Width	147mm	
Load span	600mm max centres at a point load of 4kN**	800mm max centres at a point load of 2kN**
Linear mass	1.42kg/m	1.58kg/m
Deviation from straightness	0.03mm	
Cupping	0.4mm	
Warranty	30 year structural performance warranty with an expectancy of 60 years	

Mechanical characteristics	Standard	Value
Falling mass impact resistance	EN 477	20mm - 3.52mm / 30mm - 3.22mm
Mid span point load	EN 310	Refer to load span table
Maximum force	EN 310	>10 kN
Slip resistance	BS 7976	70 PTV (Dry) - 46 PTV (Wet)

Aluminium properties	Standard	Value
Ultimate tensile strength	EN 310	241 MPa
Elastic modulus	EN 310	69 GPa
Tensile strength @ yeild	EN 310	214 MPa
Elongation @ break	EN 310	18%

* Minimum order quantities apply

** In accordance with BS 8579:2020 Guide to the design of balconies and terraces



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PEDECK ALU Comfort Grip 295

Physical properties	20mm depth	30mm depth
Fire rating	Tested to BS EN 13501-1: A2fl-s1 / A2-s1, d0	
Slip resistance	Tested to BS7976-2 classification: Low slip potential	
Wear resistance	Tested to EN 660-2. Excellent resistance to wear	
Decorative resistance	Qualicoat 1 with a Qualicoat endorsed "seaside" pre-treatment	
Colour	Anthracite Grey (RAL 7016). Other RAL available*	
Material	Aluminium 6063 tempered to T6 100% recycled	
Sustainability	Made from 100% recycled aluminium and 100% recyclable at end of use	
Length	4m, 5m or 6m	
Width	295mm	
Load span	800mm max centres at a point load of 2kN**	1200mm max centres at a point load of 2kN**
Linear mass	3.56kg/m	4.02kg/m
Deviation from straightness	20mm - 0.02mm / 30mm - 0.03mm	
Cupping	20mm - 0.3mm / 30mm - 0.2mm	
Warranty	30 year structural performance warranty with an expectancy of 60 years	

Mechanical characteristics	Standard	Value
Falling mass impact resistance	EN 477	20mm - 1.1mm / 30mm - 1.34mm
Mid span point load	EN 310	Refer to load span table
Maximum force	EN 310	>10 kN
Slip resistance	BS 7976	70 PTV (Dry) - 46 PTV (Wet)

Aluminium properties	Standard	Value
Ultimate tensile strength	EN 310	241 MPa
Elastic modulus	EN 310	69 GPa
Tensile strength @ yeild	EN 310	214 MPa
Elongation @ break	EN 310	18%

* Minimum order quantities apply

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PEDECK ALU Enhanced Grip 147

Physical properties	20mm depth	30mm depth
Fire rating	Tested to BS EN 13501-1: A2fl-s1 / A2-s1, d0	
Slip resistance	Tested to BS7976-2 classification: Low slip potential	
Wear resistance	Tested to EN 660-2. Excellent resistance to wear	
Decorative resistance	Qualicoat 1 with a Qualicoat endorsed "seaside" pre-treatment	
Colour	Anthracite Grey (RAL 7016). Other RAL available*	
Material	Aluminium 6063 tempered to T6 100% recycled	
Sustainability	Made from 100% recycled aluminium and 100% recyclable at end of use	
Length	4m, 5m or 6m	
Width	147mm	
Load span	600mm max centres at a point load of 4kN**	800mm max centres at a point load of 2kN**
Linear mass	1.57kg/m	1.77kg/m
Deviation from straightness	0.03mm	
Cupping	20mm - 0.4mm / 30mm - 0.5mm	
Warranty	30 year structural performance warranty with an expectancy of 60 years	

Mechanical characteristics	Standard	Value
Falling mass impact resistance	EN 477	20mm - 3.57mm / 30mm - 3.76mm
Mid span point load	EN 310	Refer to load span table
Maximum force	EN 310	>10 kN
Slip resistance	BS 7976	81 PTV (Dry) - 55 PTV (Wet)

Aluminium properties	Standard	Value
Ultimate tensile strength	EN 310	241 MPa
Elastic modulus	EN 310	69 GPa
Tensile strength @ yeild	EN 310	214 MPa
Elongation @ break	EN 310	18%

* Minimum order quantities apply

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PEDECK ALU Enhanced Grip 295

Physical properties	20mm depth	30mm depth
Fire rating	Tested to BS EN 13501-1: A2fl-s1 / A2-s1, d0	
Slip resistance	Tested to BS7976-2 classification: Low slip potential	
Wear resistance	Tested to EN 660-2. Excellent resistance to wear	
Decorative resistance	Qualicoat 1 with a Qualicoat endorsed "seaside" pre-treatment	
Colour	Anthracite Grey (RAL 7016). Other RAL available*	
Material	Aluminium 6063 tempered to T6 100% recycled	
Sustainability	Made from 100% recycled aluminium and 100% recyclable at end of use	
Length	4m, 5m or 6m	
Width	295mm	
Load span	800mm max centres at a point load of 2kN**	1200mm max centres at a point load of 2kN**
Linear mass	3.82kg/m	4.21kg/m
Deviation from straightness	0.03mm	
Cupping	0.4mm	
Warranty	30 year structural performance warranty with an expectancy of 60 years	

Mechanical characteristics	Standard	Value
Falling mass impact resistance	EN 477	20mm - 3.56mm / 30mm - 3.65mm
Mid span point load	EN 310	Refer to load span table
Maximum force	EN 310	>10 kN
Slip resistance	BS 7976	81 PTV (Dry) - 55 PTV (Wet)

Aluminium properties	Standard	Value
Ultimate tensile strength	EN 310	241 MPa
Elastic modulus	EN 310	69 GPa
Tensile strength @ yeild	EN 310	214 MPa
Elongation @ break	EN 310	18%

* Minimum order quantities apply

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Comfort grip 147
Enhanced grip 147

Width / depth: 147mm x 20mm or 30mm
Length: 4m, 5m, 6m*
Load span 20mm: 600mm centre - 4kN
Load span 30mm depth: 800mm centre - 2kN
Material: Aluminium 6063 tempered to T6 100% recycled
Colour: Anthracite Grey (RAL 7016)*
Slip resistance: BS7976-2 classification: Low slip potential
Wear resistance: EN 660-2: Excellent resistance to wear
Fire rating: A2fl-s1/ A2-s1, d0



Comfort grip 295
Enhanced grip 295

Width / depth: 295mm x 20mm or 30mm
Length: 4m, 5m, 6m*
Load span 20mm: 800mm centre - 2kN
Load span 30mm depth: 1200mm centre - 2kN
Material: Aluminium 6063 tempered to T6 100% recycled
Colour: Anthracite Grey (RAL 7016)*
Slip resistance: BS7976-2 classification: Low slip potential
Wear resistance: EN 660-2: Excellent resistance to wear
Fire rating: A2fl-s1/ A2-s1, d0

* Bespoke lengths and other RAL available



Pedestals

A range of fully adjustable aluminium pedestals that work with all PEDECK ALU

Options: A series of pedestals with adjustable heights

Fire rated: Non-combustible



Fixings

PEDECK ALU systems are supplied with specific screws for fixing the boards and the associated components.



Bearers

Non-combustable aluminium bearers designed specifically for use with all PEDECK ALU

Options: Length - 2.5m or 5m

Profile: 25mm x 50mm x 3mm or 50mm x 50mm x 3mm

Fire rated: Non-combustible



Universal end trim

These trims create a neat finish to comfort grip boards and can be used with both the 20mm and 30mm depths as well as 147mm and 295mm widths.

Options: 4m Lengths

Fire rated: Non-combustible



Support legs

295mm boards can be ripped down the full length for customisation on site. The support leg is fitted to the ribbed edge to complete the board.

Options:

Length 4m, 5m, 6m available for 20mm or 30mm deep boards

Fire rated: Non-combustible



Edge plates

To create a neat finish to Enhanced grip boards, end plates screw fix into integrated screw ports, which are found in the length of the board.

Options: 20mm deep x 147mm; 20mm deep x 295mm wide
 30mm deep x 147mm wide; 30mm deep x 295mm wide

Fire rated: Non-combustible