PEDECK

PEDECK ALU - DECKING

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%

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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 screx fix into intergrated screw ports, which are found in the length of the board.

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

Fire rated: Non-combustible