

Exadeck is an extruded vitrified porcelain decking system designed for external raised deck applications including balconies, terraces, podiums, and roof decks. Developed as a non-combustible alternative to timber and composite decking, the system achieves a Euroclass A1fl-s1 fire classification, making it suitable for projects requiring compliance with current UK fire safety regulations.

The Exadeck system incorporates a concealed clip fixing mechanism that ensures secure board retention and resistance to wind uplift in exposed environments. while maintaining a clean, uninterrupted surface appearance without visible fixings.

With exceptional PTV ratings, Exadeck delivers reliable anti-slip performance in both wet and dry conditions, making it suitable for commercial, residential, and high-footfall external applications. Its non-porous porcelain surface also provides exceptional durability and requires minimal maintenance, eliminating the need for sealing, staining, or painting throughout its service life.

Available in 1217×141×26mm boards and a selection of seven wood-grain finishes, Exadeck is ideally suited to hospitality, public realm and high-rise developments where fire performance, durability and architectural appearance are key design considerations.



A1



Non-Combustible



BROOF(t4)
options



Wind Safe



Slip Resistant



Quick Installation



Self Draining



UV Resistant



Chemical Resistant



Suitable for use in
temperatures from
-30°C to +90°C



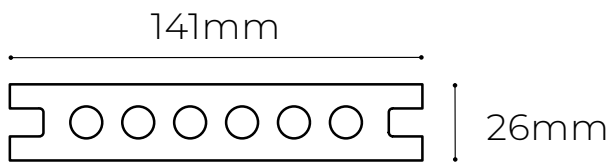
Maintenance Free

Wood Grain Finishes

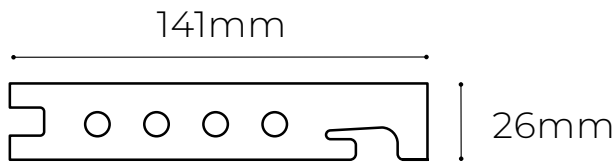


Board Types

Standard Board



Perimeter Board



Property	Property Description	Test	Standard	Results
	Sizes · Dimensions 1.217 x 141 x 26mm Length and width Thickness Straightness of sides Rectangularity Surface Flatness	ISO 10545-2 ISO 10545-2 ISO 10545-2 ISO 10545-2 ISO 10545-2w	±1,0% ±2,0mm ± 10% ± 0,5% ± 1,0% ± 0,5%	±0,6% ±2 mm ±5% ±1,2 mm ±0,5% ±2 mm ± 0,5% ± 0,5%
	Fire Resistance	Fire Resistance	Class A1-A2	Class A1fl
	Water absorption	ISO 10545-3	≤ 0,5 %	≤ 0,5 %
	Breaking strength (at 300 centres) Breaking strength (at 400 centres) Breaking strength (at 600 centres)	ISO 10545-4 ISO 10545-4 ISO 10545-4	≥3,000 N ≥ 2,000 N ≥ 2,000 N	≥ 15.000 N ≥ 4,420 N ≥ 2,960 N
	Resistance to surface abrasion	ISO 10545-7	1 - 5	5
	Resistance to thermal shock	ISO 10545-9	required	guaranteed
	Crazing resistance	ISO 10545-11	required	guaranteed
	Frost resistance	ISO 10545-12	required	guaranteed
	Chemical resistance	ISO 10545-13	minimum B	A/LA/HA
	Stain resistance	ISO 10545-14	minimum Class 3	Class 5
	Anti-slip resistance (barefoot)	DIN 51097	-	C group
	Anti-slip resistance (ramp)	DIN 51130	-	R12
	Slip Resistance (Pendulum Test Value)	HSE	PTV 36+ in wet	PTV Wet 56; Dry 66
	Minimal value of static load	EN 12825	-	Class 2
	Maximum value of deflection for ultimate load 6KN	EN 12825	-	Class A

A-PED System

Sub-frame Option for areas requiring Class A Fire-rated / non-combustible solution

FFL range is 79-441mm depending on combination of pedestal model and joist.
Please contact us if you have a requirement for smaller or larger voids.

A-PED Model *	FFL in mm using A-PED JOIST-20 and Exadeck
A-PED-33-48	79-94
A-PED-48-65	94-111
A-PED-57-82	103-128
A-PED-72-117	118-163
A-PED-105-150	151-196
A-PED-140-185	186-231
A-PED-175-220	221-266
A-PED-210-255	256-301
A-PED-245-290	291-336
A-PED-280-325	326-371
A-PED-315-360	361-406
A-PED-350-395	396-441



* Smaller pedestals available without slope correction available on request.

A-PED Pedestal Technical Specs:

DIMENSIONS:

Head: ø 90mm

Base: ø 170mm

Slope Corrector: Integrated in base of the pedestal providing slope correction from 0-5%

Fire-Rating: Class A1 according to BS EN 13501-1

MATERIAL:

Designed and Manufactured in Europe

A-PED-HEAD, A-PED-BASE, TP1 & 2: Aluminium

Threaded Rod: M16 zinc plated steel

Locking Nuts: Steel with exterior coating

Resistant to weathering, sea salts and a wide range of chemicals.

A-PED-JOIST Aluminium Joist Technical Specs:

DIMENSIONS:

Weight: 2.163kg

Height: 20mm

Width: 65mm

Length: 3000mm

Fire-Rating: Class A1 according to BS EN 13501-1

MATERIAL:

Designed and manufactured in UK

Aluminium Resistant to weathering and a wide range of chemicals



JOIST CENTRES

Recommended distance between A-PED-JOISTS for weight loads - centre to centre (Boards must span two bays i.e. be attached to a minimum of 3 joists):

Commercial settings	450mm
Domestic settings	600mm

PEDESTAL CENTRES

Recommended distance between pedestals – centre to centre - using the A-PED-JOIST-20:

All Settings	400mm max
--------------	-----------

