

With all of the benefits of 20mm porcelain, timber-alternative **Zerodeck Porcelain** comes in four colours, each evoking relaxed luxury.

Paired with the non-combustible A-PED pedestal and joist, it is suitable for use on balconies and other areas requiring maximum fire-safety. Alternatively, when used with the PB pedestal range and a wide choice of roofing systems from leading manufacturers, BROOF(t4) can be achieved.

Comprising an adjustable sub-frame with slope correction, aluminium joists, and deck boards, the clip fixings provide wind resistance without the need for additional wind uplift measures.

Available in 20x200x1200mm boards and 4 wood-grain colours, **Zerodeck Porcelain** is clip-fixed to compatible joists, providing a natural solution for wind uplift.

Zerodeck Porcelain – for confident and compliant specification.



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

Colour options



● Amalfi



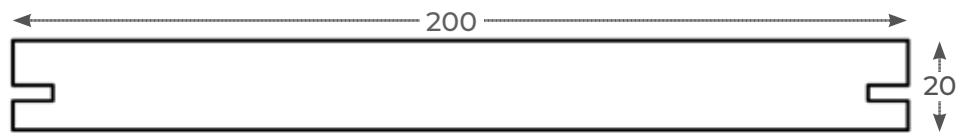
● Capri



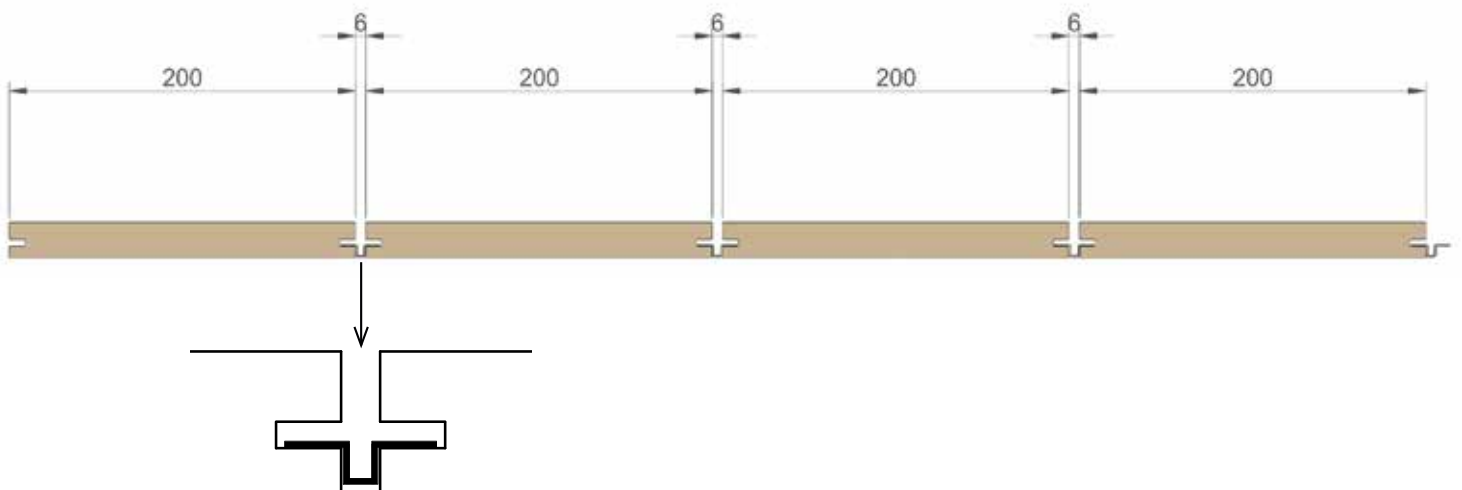
● Malabar



● Riviera



20x200x1200mm





Zerodeck Porcelain

Technical Data Sheet



Slip Resistance

Slip resistance results generated using a BS 7976 Munro Portable Skid Tester
Pendulum Slip Test Results - Lowest PTV

Test Condition	Dry	Wet
Amalfi	65	61
Capri	64	61
Malabar	61	50
Riviera	64	59

Dimensions: 20x200x1200mm
Weight: 47kg/m²
Finish: Matt wood grain
Fire performance: Euroclass A1

Slip Potential Rz Surface Microroughness

Slip Potential	Rz value
Amalfi	29.96
Capri	32.33
Malabar	29.58
Riviera	25.96

Dimension & Surface Quality

Technical Characteristics	Industry Standards	Requirement	Actual Value
Length & width	BS EN ISO 10545-2	+ 0.60% (max. + 2.0mm)	Conforms
Thickness	BS EN ISO 10545-2	+ 5% (max. + 0.5mm)	Conforms
Edge straightness	BS EN ISO 10545-2	+ 0.50% (max. + 1.5mm)	Conforms
Orthogonality (squareness)	BS EN ISO 10545-2	+ 0.50% (max. ‡ 2.0mm)	Conforms
Planarity (flatness)	BS EN ISO 10545-2	+ 0.50% (max. * 2.0mm)	Conforms

Product Quality & Durability

Technical Characteristics	Industry Standards	Requirement	Actual Value
Water absorption	BS EN ISO 10545-3	≤ 0.5%	≤0.1% (Typical Value)
Modulus of rupture (bending strength)	BS EN ISO 10545-4	≥ 35 N/mm ²	≥ 50 N/mm ² (Typical Value)
Breaking strength	BS EN ISO 10545-4	≥ 7.5mm ≥ 1300 N	≥ 12 000 N (Typical Value)
Resistance to deep abrasion (unglazed tiles)	BS EN ISO 10545-6	≤ 175 mm ³	< 145 mm ³ (Typical Value)
Linear thermal expansion coefficient	BS EN ISO 10545-8	Declared value	< 7.5 × 10 ⁻⁶ / °C (Typical value)
Thermal shock resistance	BS EN ISO 10545-9	No visible defects	Resistant
Frost resistance	BS EN ISO 10545-12	No surface alteration	Resistant
Chemical resistance:			
Low concentrations of acids & alkalis	BS EN ISO 10545-13	No visible defects	ULA
High concentrations of acids & alkalis	BS EN ISO 10545-13	No visible defects	UHA
Domestic chemicals & additives for swimming pools	BS EN ISO 10545-13	UB/GB min	UA
Stain resistance	BS EN ISO 10545-14	Declared value - unglazed	Class 4
Reaction to fire	Based on the decision 96/603/EC & its changes	A1FL/A1	A1FL/A1
Recycled content			7%

A-PED System

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

FFL range is 73 – 435mm 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 Zerodeck Porcelain
A-PED-33-48	73-88
A-PED-48-65	88-105
A-PED-57-82	97-122
A-PED-72-117	112-157
A-PED-105-150	145-190
A-PED-140-185	180-225
A-PED-175-220	215-260
A-PED-210-255	250-295
A-PED-245-290	285-330
A-PED-280-325	320-365
A-PED-315-360	355-400
A-PED-350-395	390-435



* 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



PB System

Sub-frame option for areas requiring BROOF(t4)* or a non-fire-rated solution.

*when installed with specific roof build-ups. Please contact us for information.

FFL range is 72 – 999mm depending on combination of pedestal model and joist.

Please contact us if you have a requirement for smaller or larger voids.

PB Pedestal	FFL in mm using U-BRS-24MM-W-B & Zerodeck Porcelain *
PB-01	72-86
PB-1	86-104
PB-2	104-134
PB-3	134-198
PB-4	198-289
PB-5	274-359
PB-6	329-411
PB-7	409-524
PB-8	524-639
PB-9	604-759
PB-10	719-874
PB-11	799-999



* Slope Correction: The U-PH5 slope corrector can be used on the base of the pedestal for precise slope correction from 0 to 5%. It will add 14mm to the overall height.

* Cushioning: U-BRS-EPDM rubber shims can be used with the joist to provide cushioning if required. It will add 2mm to the overall height.

PB Pedestal Technical Specs:

DIMENSIONS:

Top: ø 170 mm, 227 cm²

Base: ø 197 mm, 305 cm²

Load Capacity > 1 tonne

MATERIAL:

Copolymer polypropylene (CPP)

Composition: +/- 80% first grade pre-selected recycled PPC, and +/- 20% Talc + Masterbatch black

Designed and manufactured in Europe

Use of recycled materials exclusively of EU origin

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

Temperature range: -30 C° to +80 C°

Cradle to Cradle Certified Bronze

BBA Certified

U-BRS-24MM-W-B – Aluminium Joist Technical Specs:

Fixes to the top of the pedestal using PB-KIT-2

DIMENSIONS:

Weight: 1.517kg

Height: 24mm

Width: 60mm

Length: 2400mm

MATERIAL:

AL6060 T66 Colour: Black (anodised black)

Made up of over 70% recycled aluminium on average.

ASI certified production sites – Performance standard



JOIST CENTRES

Recommended distance between joists for weight loads – centre to centre:

- Commercial settings Maximum 600mm
- Domestic settings Maximum 600mm

Boards must span two bays i.e. be attached to a minimum of 3 joists.

PEDESTAL CENTRES

- Any joist Maximum 600mm

