

Technical Specification

v2.0

Outdoor Porcelain Paving

Porcelain paving tiles engineered for outdoor use. The ranges are enriched with intricate stone and concrete textures and are highly durable, as well as being Class A1 fire rated.

Overview

Classification

Bla Porcelain tiles

Reaction to Fire

EN 13501-1: Class A1

Thickness

20 mm

The data provided in EnviroBuild technical specifications are correct at the time of publication. EnviroBuild is continuously looking to improve existing products and increase transparency through further tests, meaning some information may change.

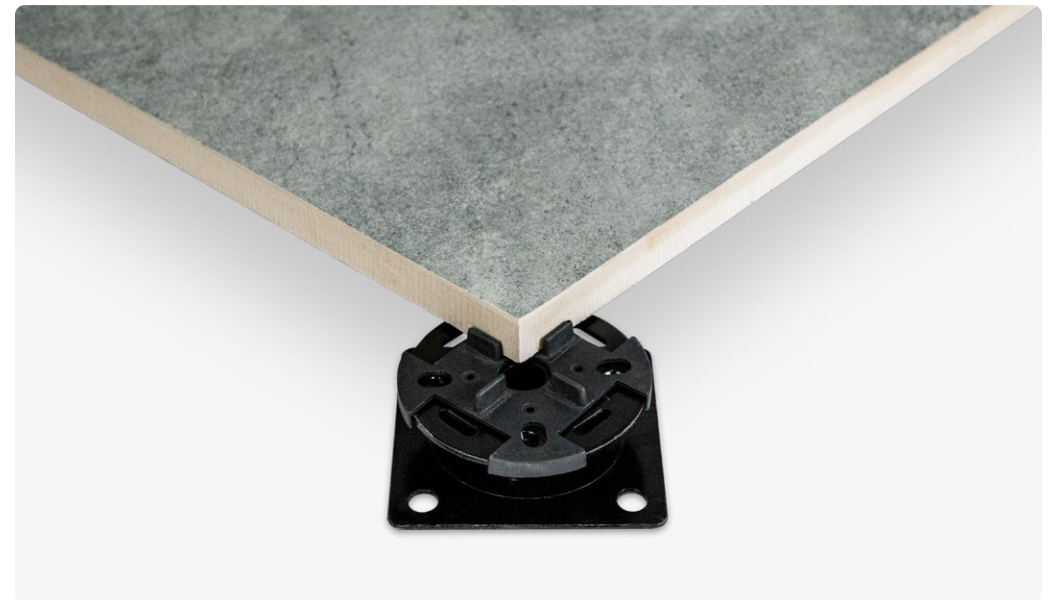
EnviroBuild reserves the right to update Technical Specifications as and when we become aware of any changes to the data.

Registered Number

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Registered Office

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Wood Effect Porcelain Paving Technical Data

Main Properties (Wood Effect Porcelain)

Property	Attribute
Dimensions (LxWxH)	1195 x 397 x 20 mm
Weight of tile	21.7 kg
Water absorption	$E_b \leq 0.03\%$
Classification	BI _a Porcelain tiles
Reaction to fire	EN 13501-1: Class A1
Modulus of rupture	$\geq 35 \text{ N/mm}^2$
Breaking strength	Requirement average $\geq 1300 \text{ N}$ for thickness $\geq 7.5 \text{ mm}$ (complies)
Compressive strength	$\geq 200 \text{ N/mm}^2$
Pendulum test slip resistance (PTV) (to BS EN 14231)	Dry: 78 Wet: 71
Micro roughness slip resistance	Rz: 41 μm
Mohs hardness scale	≥ 8
Resistance to surface abrasion	Class 0-5
Resistance to deep abrasion	$< 130 / \text{mm}^3$

Colour resistance to UV light	Resistant
Coefficient of linear thermal expansion	$< 7.1 \times 10^{-6} \text{ }^\circ\text{C}^{-1}$
Thermal shock resistance	Passed according to EN ISO 10545-1
Crazing resistance	Passed according to EN ISO 10545-1
Frost resistance	Passed according to EN ISO 10545-1
Moisture expansion	$\leq 0.06 \text{ mm/m}$
Impact resistance	COR > 0.75
Chemical resistance to low and high concentrations of acid and alkali	Resistant
Release of dangerous substances	Pb < 0.1 , Cd $< 0.01 \text{ mg/dm}^2$
Reaction to fire	EN 13501-1: Class A1
Breaking load	4 kN
Average strength	51.2 MPa

Stone Effect Porcelain Paving Technical Data

Main Properties (Stone Effect Porcelain)

Property	Attribute
Dimensions (LxWxH)	600 x 600 x 20 mm (Oyster, Shore) 593 x 593 x 20 mm (Dove Grey, Grey Shadow, Luxe Grey, Luxe Ivory)
Water absorption	E _b 0.1-0.2% (Oyster) E _b <0.5% (Shore) E _b ≤ 0.15%
Flexural tensile strength	43 N/mm ² (Oyster) >35 N/mm ² (Shore) 50 N/mm ² (Dove Grey, Grey Shadow, Luxe Grey, Luxe Ivory)
Breaking strength	8500 N (Oyster) >1300 N (Shore) 9000 N (Dove Grey, Grey Shadow, Luxe Grey, Luxe Ivory)
Weight	16.1 kg (per tile), 44.72 kg/m ²
Fire resistance	EN 13501-1: Class A1
Frost resistance	Passed according to EN ISO 10545-12
Abrasion resistance	PEI 5, 12000 rotations (Luxe Ivory) PEI 4, 6000 rotations (Oyster, Shore, Luxe Grey, Grey Shadow, Dove Grey)
Staining resistance	Class 3 (Oyster, Shore) Class 5 (Dove Grey, Grey Shadow, Luxe Grey, Luxe Ivory)
Chemical resistance	Passed according to EN ISO 10545-13
Thermal shock resistance	Passed according to EN ISO 10545-9

Slip resistance	R11 (Oyster, Shore, Grey Shadow) R10 (Luxe Grey, Luxe Ivory, Dove Grey)
Crazing resistance	Passed according to EN ISO 10545-11
Acid and alkali resistance	Class GHA (Shore, Oyster, Luxe Grey, Luxe Ivory, Dove Grey) Class GHB (Grey Shadow)
Surface Quality	97%
Resistance to household chemicals and swimming pool salts	Class GA
Resistance to low concentrations of acid and alkali	Class GLA
Lead and cadmium release	Cadmium ≤ 0.07 mg/dm ² Lead ≤ 0.8 mg/dm ²