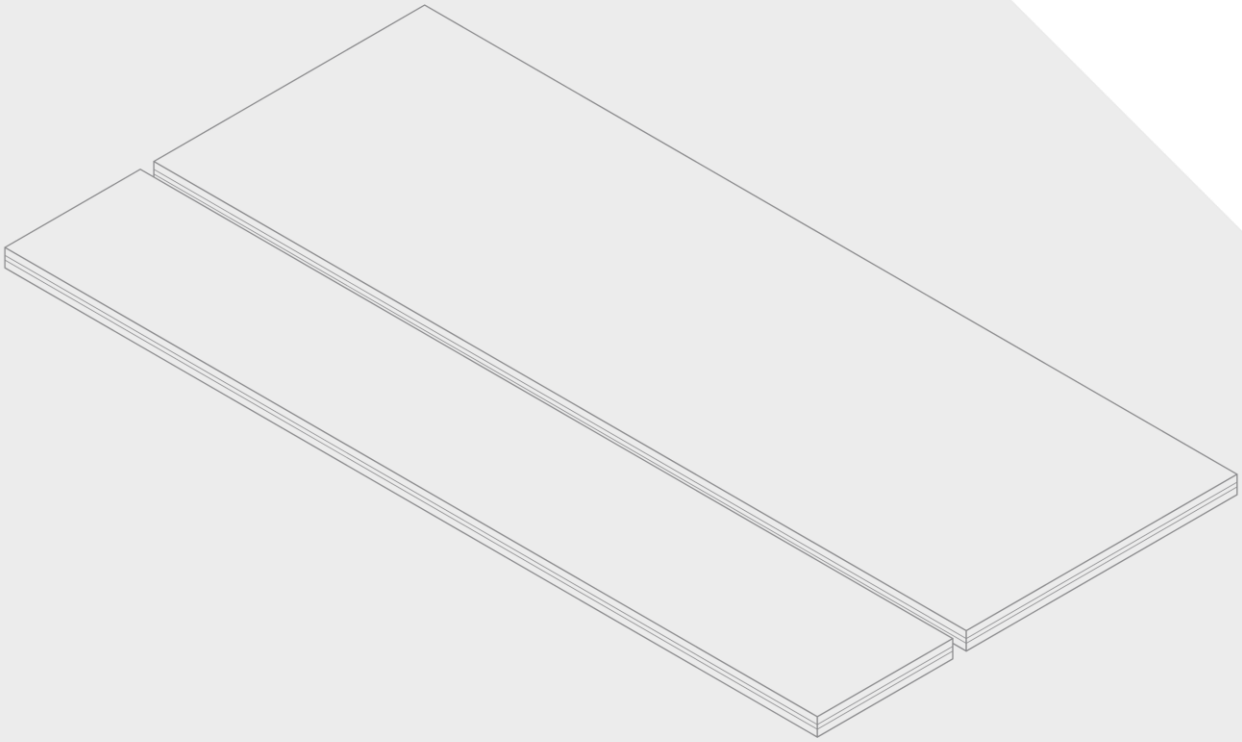
Kinley

INSPIRED PLACES MADE POSSIBLE

FARRINO 20MM PORCELAIN DECKING

Technical data sheet



Reference:
DS-AL-0923

Farrino 20mm thick Italian manufactured porcelain decking tiles are available in two sizes, W200 × L1200mm and W400 × L1200mm, and in eight finishes across the Parma, Como and Milano ranges, shown below. Please visit our website or our London Design Studio for more information or to see samples.

PRODUCT FINISHES

PARMA


Flax


Mogno


Oak


Pearl


Smoke

COMO


Brown


Honey

MILANO


Box


Age

FARRINO TILE RANGE

RANGE	COLOUR	LRV VALUE	THICKNESS	TILE SIZE (W × L)	SKU	TILE SIZE (W × L)	SKU
Parma	Oak	38.38	20mm	200 × 1200mm	601002	400 × 1200mm	601012
Parma	Mogno	28.65	20mm	200 × 1200mm	601004	400 × 1200mm	601014
Parma	Flax	22.13	20mm	200 × 1200mm	601003	400 × 1200mm	601013
Parma	Pearl	45.07	20mm	200 × 1200mm	601005	400 × 1200mm	601015
Parma	Smoke	34.78	20mm	200 × 1200mm	601006	400 × 1200mm	601016
Como	Brown	On request	20mm	300 × 1200mm	401018	–	–
Como	Honey	On request	20mm	300 × 1200mm	401019	–	–
Milano	Box	On request	20mm	300 × 1200mm	413010	–	–
Milano	Age	On request	20mm	300 × 1200mm	413011	–	–

LRV data for the Como and Milano finishes is available upon request.

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REGULARITY CHARACTERISTICS

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Length and width	ISO 10545-2	±0.6% ±2mm	≥3400N
Thickness	ISO 10545-2	±5.0% ±0.5mm	≥2720N
Squareness	ISO 10545-2	±0.5% ±2mm	≤1.8mm
Straightness of sides	ISO 10545-2	±0.5% ±1.5mm	≥13mm
Surface flatness	ISO 10545-2	±0.5% ±2mm	≤7.0%

STRUCTURAL CHARACTERISTICS

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Water absorption	ISO 10545-3	±0.5%	±0.1%
Water absorption	ASTM C373	–	In accordance
Breaking strength	ISO 10545-4	≥1300N	≥7,288N
Modulus of rupture	ISO 10545-4	≥35N/mm²	≥45N/mm²
Breaking load class	EN 1339	±0.5%	U11 / T11

SURFACE CHARACTERISTICS

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Resistance to deep abrasion	ISO 10545-6	≤175mm³	≤155mm³

THERMAL AND HYGROMETRIC CHARACTERISTICS

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Coefficient of linear thermal expansion	ISO 10545-8	Test method available	$<7 \times 10^{-6}$ °C^{-1}
Thermal shock resistance	ISO 10545-9	Test method available	Guaranteed
Frost resistance	ISO 10545-12	Required	In accordance

CHEMICAL CHARACTERISTICS

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Chemical resistance	ISO 10545-13	Test method available	Guaranteed
Stain resistance	ISO 10545-14	Test method available	Guaranteed

Find out more or request a sample
sales@kinleysystems.com
or visit kinleysystems.com

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SLIP RESISTANCE

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Dynamic slider	BCRA	Test method available	>0.4
Static slider	ASTM C1028	Test method available	–
Inclined platform	DIN 51130	Test method available	R11
Pendulum test value (PTV) – dry	BS EN 14231	36+	72
Pendulum test value (PTV) – wet	BS EN 14231	36+	65

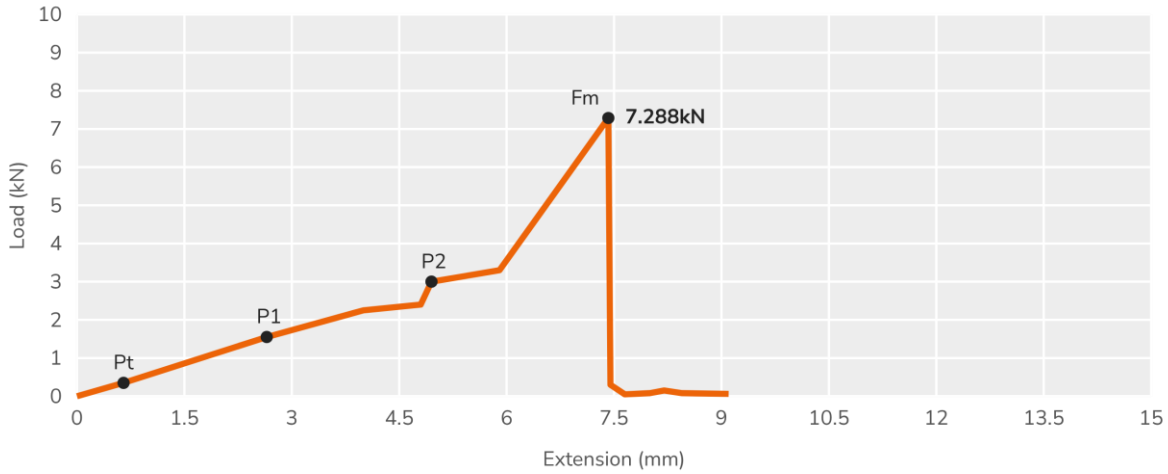
WORKING SIZE AND WEIGHT

TILE SIZE (W × L)	THICKNESS	ACTUAL RECTIFIED SIZE	M² / TILE	KG / TILE
200 × 1200mm	20mm	197 × 1195mm	0.24m²	≤11kg
300 × 1200mm	20mm	297 × 1195mm	0.36m²	≤16.88kg
400 × 1200mm	20mm	397 x 1195mm	0.48m²	≤22.56kg

PACKAGING AND WEIGHTS

TILE SIZE (W × L)	THICKNESS	BOX SPECIFICATION			PALLET SPECIFICATION		
		PIECES / BOX	M² / BOX	KG / BOX	TILES / PALLET	M² / PALLET	KG / PALLET
200 × 1200mm	20mm	2	0.48	≈33	60	14.40	≈990
300 × 1200mm	20mm	2	0.72	≈26.38	36	16.88	≈1519.56
400 × 1200mm	20mm	2	0.96	≈33.77	24	11.52	≈949.73

LOAD EXTENSION CURVE



FARRINO PORCELAIN DECKING BREAKAGE TEST RESULTS

* Test completed with joists at 400mm centres.

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APPLICATION

Farrino 20mm porcelain decking is designed for external terraces, balconies and public outdoor spaces. The tiles are hard wearing, frost proof, non-slip and UV stable, and are resistant to mildew, moss and algae.

INSTALLATION INFORMATION

Install by mounting on adjustable pedestal systems or solid concrete bases. If mounted on adjustable pedestals over 100mm in height, an optional fibreglass mesh is available upon request.

SUSTAINABILITY

Farrino porcelain tiles are manufactured by dry pressing and kilning a mixture of naturally occurring minerals and clays to create a stable and durable product with long-life expectancy.

Porcelain tiles have a lower environmental impact than many other finishing materials: they will not act as a 'sink' absorbing volatile organic compounds (VOCs) or other chemicals from surrounding materials, nor are they a source of harmful contaminants. They can also be maintained without the need for solvent-based cleaners.

positive planet Certified Planet Positive

PRODUCT MAINTENANCE

Farrino tiles are easy to clean and resist most chemicals. They are UV stable and have only 0.01% porosity. We recommend cleaning them once or twice a year, depending on local weather conditions.

Use a high-pressure cleaner from at least 20cm away, or scrub with a mild all-purpose cleaner and water. For day-to-day cleaning, sweep regularly and rinse with water, a soft brush and a mild cleaner or suds.

FIRE RATED

Farrino tiles are made using porcelain, which does not burn and is not a fire hazard.

PROTECTIVE EQUIPMENT

We recommend that personal protective equipment (PPE) is used when installing Farrino tiles:

- Cut-resistant safety boots/shoes with toe protection
- Protective eye wear
- Strong gloves to protect the hands
- Ear plugs or defenders when using loud cutting equipment

STORAGE AND HANDLING

Farrino tiles are securely packed into cardboard boxes to ensure no movement during transit. Depending on the size and weight of the consignment they may be palletised. Until the point of installation, the tiles should be stored fully packed in a dry environment.

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WIND UPLIFT

This product has been tested and complies with BS EN 1991-1-4:2005+A1:2010. Please consult our certification documents for verification.





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ACCESSORIES

Venice clip

Developed in response to customer feedback regarding water pooling on porcelain paving, the Raaft® Venice Clip provides a discreet solution designed to help improve surface drainage on raised, loose-laid porcelain tile systems.

On conventional installations, grout joints provide breaks between tiles that help water drain from the surface. With loose-laid porcelain paving, surface tension can cause water to remain on the tile surface, contributing to pooling. The Venice Clip is designed to interrupt this surface tension, encouraging water to drain through the joints between tiles.

Key Benefits

- **Improved surface drainage:** Designed to help water drain from porcelain paving and reduce standing water.
- **Supports winter safety:** Helps minimise water retention that can freeze in cold weather.
- **Discreet appearance:** Designed to sit flush with the paving surface, with transparent material options to complement the specified tiles.
- **Reduced trip risk:** Its low-profile design minimises protrusions above the finished surface.
- **Secure installation:** The clip locates within the tile joint and helps maintain its position, including in applications where wind uplift restraint is required.
- **Tile protection:** Acts as a buffer between adjacent tiles, helping to facilitate tile removal and reinstallation while reducing the risk of edge-to-edge contact.

Drainage Performance

The Venice Clip has been developed to help address standing water on raised porcelain paving. The design aims to support drainage performance in line with the relevant requirements of NHBC Standards, including guidance on standing water following rainfall. Under NHBC Standards clause 9.1.15, standing water after rainfall should not exceed 5mm in depth or cover an area greater than 1m².

Installation

The Venice Clip is inserted into the tile joint to provide a discreet drainage interface between adjacent porcelain tiles. Its design also helps separate tile edges and facilitates removal and reinstatement for maintenance or access.

Installation must follow the Raaft® system guidance, with any wind uplift restraint requirements assessed in accordance with the project-specific design.



Venice Clip Push – the universal option, suitable for all porcelain tiles in the RAAFT® collection. This is the standard choice for most installations.



Venice Clip Uplift - designed specifically for wind uplift scenarios. It clips securely into the groove between tiles, providing a snug fit and acting as a protective buffer between tiles. It allows removal and reinstallation without compromising structural integrity.

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