



FARRINO PORCELAIN DECKING

TECHNICAL DATA SHEET

FARRINO PARMA PORCELAIN DECKING

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Farrino 20mm thick Italian manufactured porcelain tiles are available in a range of styles, sizes and colors. Farrino porcelain decking is available in six finishes, shown below.

Please visit our website or our London Design Studio for more information or to see samples

Product finishes



Cocoa

Flax

Mogno

Oak

Pearl

Smoke

Farrina tile range

STYLE	COLOR	LRV VALUE	THICKNESS	200 X 200MM
Farrino Parma Porcelain	Cocoa	23.83	20mm (0.78 in)	601001
Deck board	Oak	38.38	20mm (0.78 in)	601002
	Mogno	28.65	20mm (0.78 in)	601003
	Flax	22.13	20mm (0.78 in)	601004
	Pearl	45.07	20mm (0.78 in)	601005
	Smoke	34.78	20mm (0.787in)	601006

Packaging and weights

TILE SIZE	THICKNESS	BOX SPECIFICATION		PALLET SPECIFICATION		
		PIECES/BOX	LBS/BOX	TILES/PALLET	SQFT/PALLET	LBS/PALLET
200 x 1200mm (7.87 x 47.2 in)	20mm (0.78 in)	2	≈72.75	60	226	≈2,182.58

Find out more or request a sample

Email hello@raafsystems.com or visit raafsystems.com

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Regularity characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Length and width	ISO 0545-2	±0.6%	±2mm
Thickness	ISO 0545-2	±5.0%	±0.5mm
Squareness	ISO 0545-2	±0.5%	±2mm
Straightness of sides	ISO 0545-2	±0.5%	±1.5mm
Surface flatness	ISO 0545-2	±0.5%	±2mm
			≤7.0%

Structural characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Water absorption	ISO 0545-3 ASTM C373	±0.5%	±0.1%
Breaking strength	ISO 0545-4	≥1300N (≥292 lbf)	≥7,288N (≥1,638 lbf)
Modulus of rupture	ISO 0545-4	≥35mm ³	≥45 N/mm ³
Breaking load class	EN1339	±0.5%	U 11 T11

Surface characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Resistance to deep abrasion	ISO 0545-6	≤175mm ³	≤155mm ³

Thermal and Hygrometric characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Coefficient of linear thermal expansion	ISO 0545-8	Test method available	<7 x 10 ⁻⁶ °C-1
Thermal shock resistance	ISO 0545-9	Test method available	Guaranteed
Frost resistance	ISO 0545-12	Required	In accordance

Chemical characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Chemical resistance	ISO 0545-13	Test method available	Guaranteed
Stain resistance	ISO 0545-14	Test method available	Guaranteed

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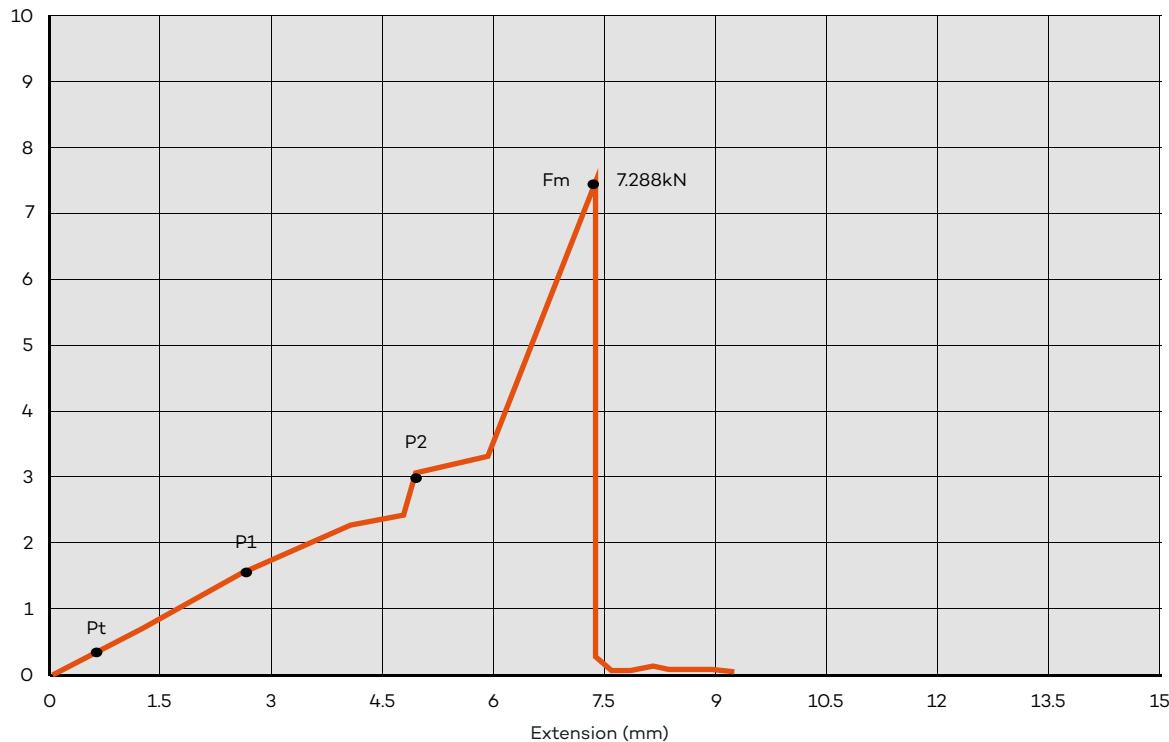
Slip resistance

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	ACTUAL RECTIFIED SIZE	SQFT/TILE	LBS/TILE
200 x 1200mm (7.87 x 47.2 in)	197 x 1195mm (7.76 x 47.05 in)	2.58	≤24.25

Load extension curve



RAAFT® PORCELAIN DECKING BREAKAGE TEST RESULTS

* Test completes with joists at 400mm centers.

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FARRINO COMO & MILANO PORCELAIN DECKING

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Product finishes

Wood



COLOR	SIZE	THICKNESS	CODE
Brown	11.81 x 47.24 in	-	401018
Honey	11.81 x 47.24 in	-	401019
Box	11.81 x 47.24 in	-	413010
Age	11.81 x 47.24 in	-	413011

LRV data available upon request

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Regularity characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Length and width	ISO 0545-2	±0.6%	±2mm
Thickness	ISO 0545-2	±5.0%	±0.5mm
Squareness	ISO 0545-2	±0.5%	±2mm
Straightness of sides	ISO 0545-2	±0.5%	±1.5mm
Surface flatness	ISO 0545-2	±0.5%	±2mm

Structural characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Water absorption	ISO 0545-3	±0.5%	±0.1%
	ASTM C373		In accordance
Breaking strength	ISO 0545-4	≥1300N (≥292 lbf)	≥7,288N (≥1,638 lbf)
Modulus of rupture	ISO 0545-4	≥35mm ³	≥45 N/mm ³
Breaking load class	EN1339	±0.5%	U 11
			T11

Surface characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Resistance to deep abrasion	ISO 0545-6	≤175mm ³	≤155mm ³

Thermal and Hygrometric characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Coefficient of linear thermal expansion	ISO 0545-8	Test method available	<7 x 10 ⁻⁶ °C-1
Thermal shock resistance	ISO 0545-9	Test method available	Guaranteed
Frost resistance	ISO 0545-12	Required	In accordance

Chemical characteristics

TECHNICAL FEATURES	SPECIFICATION	VALUES REQUIRED	FARRINO VALUES
Chemical resistance	ISO 0545-13	Test method available	Guaranteed
Stain resistance	ISO 0545-14	Test method available	Guaranteed

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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	ACTUAL RECTIFIED SIZE	SQFT/TILE	LBS/TILE
600 x 600mm (23.6 x 23.6 in)	596 x 596mm (23.46 x 23.46in)	3.875	≤37.21
600 x 900mm (23.6 x 35.4 in)	596 x 1195mm (23.46 x 47.05 in)	5.813	≤55.84
300 x 1200mm (11.8 x 47.2 in)	297 x 1195mm (11.69 x 47.05 in)	3.875	≤37.21
600 x 1200mm (23.6 x 47.2 in)	596 x 1195mm (23.46 x 47.05 in)	7.750	≤74.45

Packaging and weights

TILE SIZE	THICKNESS	BOX SPECIFICATION			PALLET SPECIFICATION		
		PIECES/BOX	SQFT/BOX	LBS/BOX	TILES/PALLET	SQFT/PALLET	LBS/PALLET
225 x 225mm (8.9 x 8.9 in)	20mm (0.78 in)	12	7.75	≤148.91	45	558.01	≤2,281
225 x 454mm (8.9 x 17.9 in)	20mm (0.78 in)	6	8.72	≤83.75	42	156.94	≤1,787
300 x 600mm (11.8 x 23.6 in)	20mm (0.78 in)	3	7.75	≤55.84	40	87.19	≤1,117
300 x 1200mm (11.8 x 47.2 in)	20mm (0.78 in)	2	7.75	≤58.16	36	181.69	≤3,350
600 x 600mm (23.6 x 23.6 in)	20mm (0.78 in)	2	6.06	≤111.66	30	488.25	≤12,507
450 x 900mm (17.7 x 35.4 in)	20mm (0.78 in)	2	10.3	≤74.45	27	186.01	≤1,787
400 x 1200mm (15.8 x 47.2 in)	20mm (0.78 in)	2	7.75	≤74.45	24	279.01	≤2,094
600 x 900mm (23.6 x 35.4 in)	20mm (0.78 in)	2	31.01	≤62.81	18	58.88	≤670
750 x 750mm (29.5 x 29.5 in)	20mm (0.78 in)	1	11.63	≤297.78	42	558.01	≤1,131
600 x 1200mm (23.6 x 47.2 in)	20mm (0.78 in)	1	5.81	≤74.45	15	310.01	≤2,233
300 x 2400mm (11.8 x 94.5 in)	20mm (0.78 in)	1	15.5	≤63.38	36	131.97	≤1,675
900 x 900mm (17.7 x 17.7 in)	20mm (0.78 in)	1	8.72	≤99.35	18	279.01	≤2,010
1200 x 1200mm (47.2 x 47.2 in)	20mm (0.78 in)	1	6.6	≤88.16	20	366.19	≤3,518
1200 x 2400mm (47.2 x 94.5 in)	20mm (0.78 in)	1	6.54	≤74.45	9	348.75	≤6,701

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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 for verification.



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Installation information

Mount on adjustable pedestal systems or solid concrete bases. If mounted on adjustable pedestals over 100mm in height, an optional fiberglass 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 '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.

Product maintenance

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

Use a high-pressure cleaner from at least 8 inches away or scrub with a mild all-purpose cleaner and water. For daily cleaning, just 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 PPE (Personal Protective Equipment) is used when installing the Farrino tiles:

- a) Wear sturdy safety boots/shoes to protect your feet.**
- b) Protective eyewear such as safety glasses.**
- c) Strong gloves to protect your hands.**
- d) When using loud cutting equipment, wear ear plugs or hearing protection.**

Storage and handling

In preparation for delivery, 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 palletized. Until the point of installation, the tiles should be stored fully packed in a dry environment.

Stability

Farrino porcelain tiles are high performance products that are hard wearing, frost proof, non-slip and UV stable. They are easy to clean and resistant to mildew, moss and algae making them exceptionally suitable for external terrace and balcony areas and public outdoor spaces.



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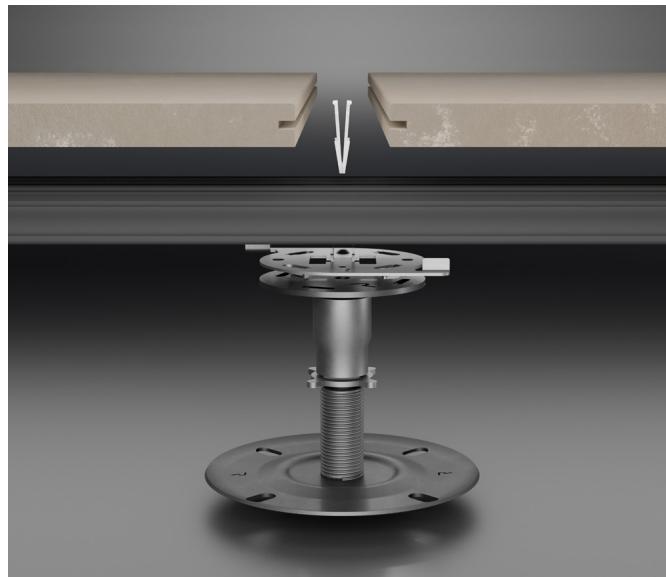
Accessories

Venice clip

Our product originated from feedback provided by a residential project experiencing persistent water pooling on porcelain tiles. After several months of careful evaluation, design work, and testing, a solution was developed.

Water pooling has become a growing concern with the introduction of new tile materials to the UK market. Even tiles rated R11 and above can accumulate water that freezes during winter, creating hazardous conditions. As a result, porcelain tiles are often excluded from roof-terrace specifications across the country.

Raaft® has introduced an innovative product designed to address this issue directly. The system enables water to drain from the tile surface within 1 hour, meeting the performance criteria outlined in NHBC 9.1.15. Under these guidelines, standing water after rainfall must not exceed 5 mm in depth or cover an area greater than 10.76 sq ft.

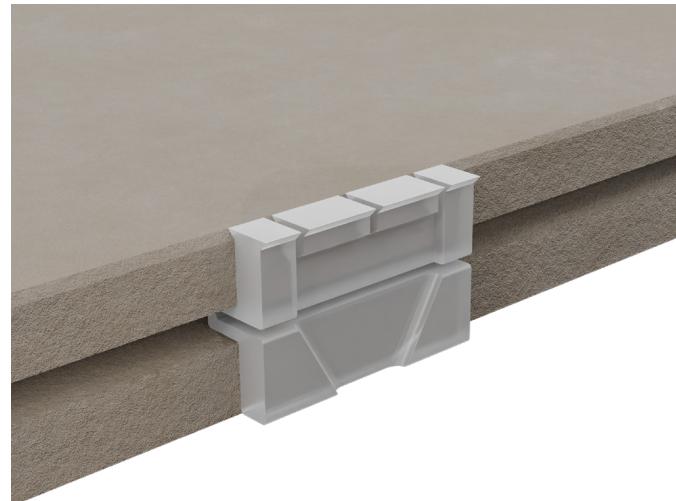


Venice Clip Push – this item serves as a universal solution for all porcelain within the RAAFT® collection.

We prioritize a subtle appearance by using transparent materials that can visually complement the tiles specified by Raaft®. The Venice Clip is engineered to break the surface tension on the tile surface, functioning much like a grout joint when porcelain tiles are installed over cement. In a floating or loose-laid system, the joints are exposed, allowing water to collect between the tiles as a result of surface tension.

The clip sits flush with the tile surface, helping reduce the risk of catching a foot on raised edges.

During installation, particularly in areas subject to wind uplift, the design incorporates a clip that locks securely into the tile groove. This provides a snug and stable fit while also acting as a protective buffer between tiles, making removal and reinstallation easier without compromising structural integrity.



Venice Clip Uplift

Find out more or request a sample

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