

TRAVERTINE

TR Series

Kinwick Materials Limited

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TRAVERTINE

Inspired by nature and achieved through technology, the TRAVERTINE Series offers old world design with all the advantages of today's porcelain tile. Travertine stone has been a building block of many of our cherished architectural landmarks. The warmth and flowing tones of traditional travertine were paramount factors in the development of this rich new series.

INDOOR 1cm & OUTDOOR 2cm

M **L** **A**
Matt Lappato R11



! Due To Printing The Relationship May Be Different From The Actual Product Color. Please Preview In Kind.
由于印刷关系, 可能与实际产品颜色有所差异, 请以实物为准!



TRAVERTINE MINE



The Travertine series is available in both 1 & 2cm for interior and exterior applications. Three distinct color variations, Beige, Grey and Cream, are offered. These color options are painstakingly recreated to replicate the unique shading characteristics of the traditional stones. Matte and anti-skid surface textures in 600 x 600 and 450 x 900 can be used in various combinations to personalize the finished project.



INDOOR & OUTDOOR

Viewgres 2cm porcelain is perfectly suited to pedestal installations. The high breaking strength and low water absorption specifications of Travertine are ideal for this purpose. These systems are useful in specialty applications on roof decks, patios and commercial areas where access to conduits like water and electric lines are required.

Place: **Indoor** Use of : **TR1491** Finish: **Matt** Thickness: **1cm**
Use size : **450x900mm**



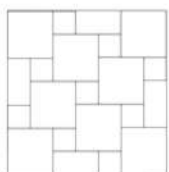
Place: **Outdoor** Use of : **TR2661A** Finish: **R11**
Use size : **600x600mm** Thickness: **2cm**





INDOOR 1cm & OUTDOOR 2cm

Travertine exudes warm sensibilities with delicate movement in the inherent texture of the stone. The soothing, almost melodic effect will set an inviting mood for your bath and all throughout your home.



Place: Indoor Use of : TR1665
Use size : 300x300mm

Finish: Matt
Thickness: 1cm

Place: Indoor Use of : TR1661
Use size : 300x600mm+600x600mm

Finish: Matt
Thickness: 1cm

INDOOR ^{1cm} & OUTDOOR ^{2cm}

TRAVERTINE achieves classic elegance in multiple applications. The delicate veining and color variation are in stark contrast to its durability and strength. Tastefully at home in both residential and commercial environments, TRAVERTINE will add sophistication and warmth while offering ease of maintenance and durability.

Place: **Outdoor** Use of: **TR2661A** Finish: **R11**
Use size : **600×600 + 300×300mm** Thickness: **2cm**

Place: **Outdoor** Use of: **TR2496A** Finish: **R11**
Use size : **450×900mm** Thickness: **1cm**

Place: **Indoor** Use of: **TR1491** Finish: **Matt**
Use size : **450×900mm** Thickness: **1cm**





INDOOR 1cm & OUTDOOR 2cm



Place: Outdoor Use of : TR2491A Finish: R11
Use size : 450×900 mm Thickness : 2cm



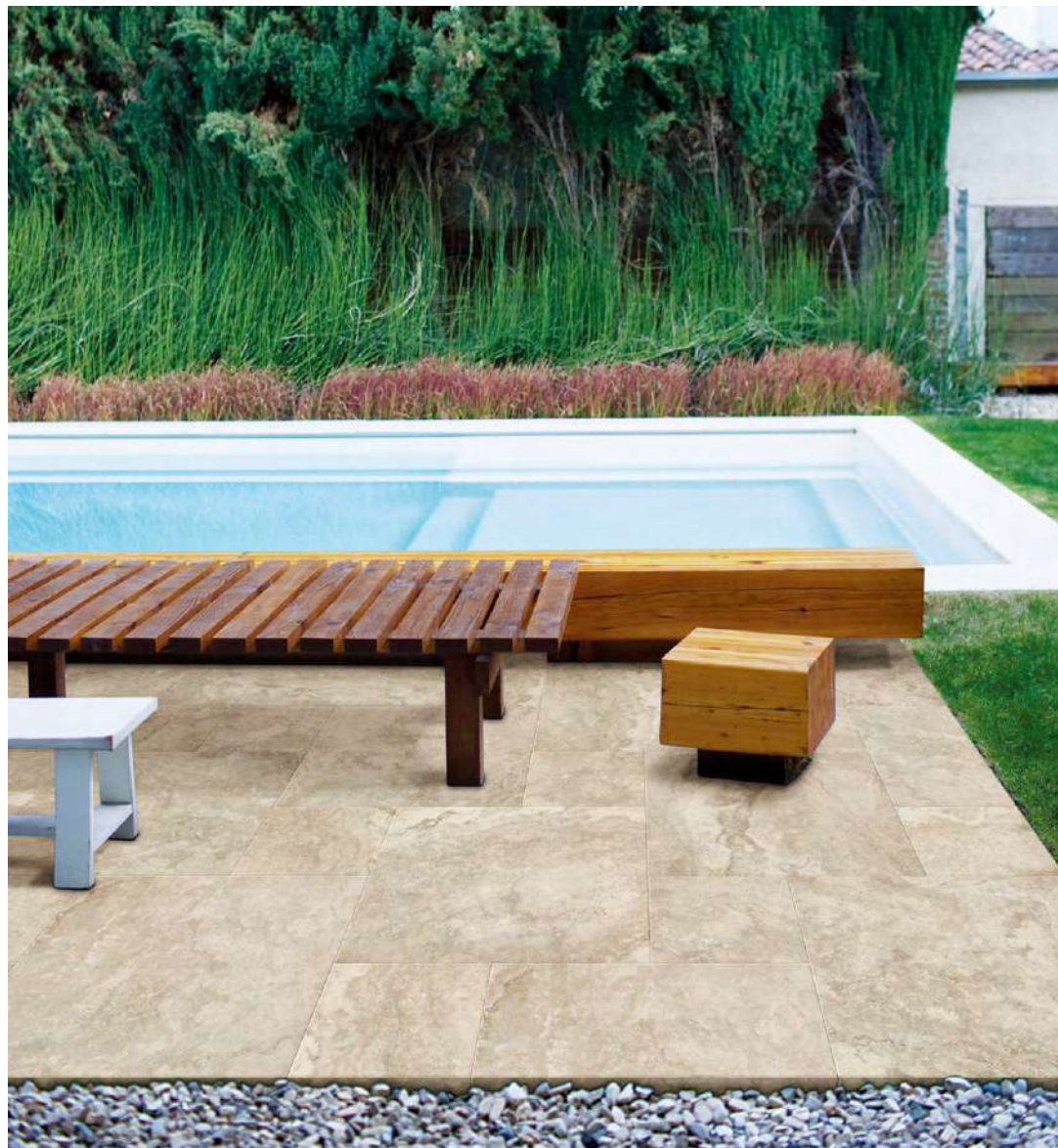
Place: Indoor Use of : TR1665 Finish: Matt
Use size : 600×600 mm Thickness : 1cm





▲ Place: **Outdoor** Use of : **TR2666A** Finish: **R11**
Use size : **600×600mm** Thickness: **2cm**

▲ Place: **Outdoor** Use of : **TR2496A** Finish: **R11**
Use size : **490×900mm** Thickness: **2cm**



INDOOR & OUTDOOR

Travertine is designed to exceed the highest standards of functionality. Incorporated into its gentle texture and color tone are uncompromising characteristics of slip-resistance, durability and maintainability necessary for the most demanding conditions. Whether installed on concrete, sand, gravel, laid on lawns or used on a pedestal system, Travertine is easily adapted to meet the project requirements.

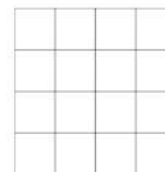
Kinwick Materials Limited - Wilson Fung 92303714 Email: wilsonfung168@hotmail.com



OUTDOOR 2cm

Viewgres' Travertine products, kit integrity, can apply to indoor and outdoor space of the shop to stuck, on the one hand, it can satisfy the requirement of the safety performance standards, on the other hand, allow the creative inspiration of the designer to full play, the shop is stuck into a full of charm of modern fashion space.

Place: **Outdoor** Use of: **TR2666A** Finish: **R11**
Use size: **600x600 mm** Thickness: **2cm**





Place: Indoor Use of : TR2661A Finish: R11
 Use size : 600×600 mm Thickness: 2cm



INDOOR & OUTDOOR

Travertine 2cm porcelain can be utilized outdoors on multiple planes. Vertically for cladding on all types of wall application and as a highly adaptive flooring product able to withstand the harshest conditions of traffic and temperature.

Place: Outdoor Use of : TR2661A Finish: R11
 Use size : 600×600mm Thickness: 2cm





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OUTDOOR

This through body porcelain has been engineered to perform in the most extreme conditions. It is particularly suited in areas such as pool decks where corrosive chemicals and slippery conditions are of primary concern. Form and function are combined to bring rich ambience coupled with durability and ease of maintenance.

Place: **Outdoor** Use of : TR2665A Finish: R11
 Use size : 600×600 mm Thickness: 2cm



Place: **Outdoor** Use of : TR2661A+TR2665A+TR2666A Finish: R11
 Use size : 300x300mm Thickness: 2cm



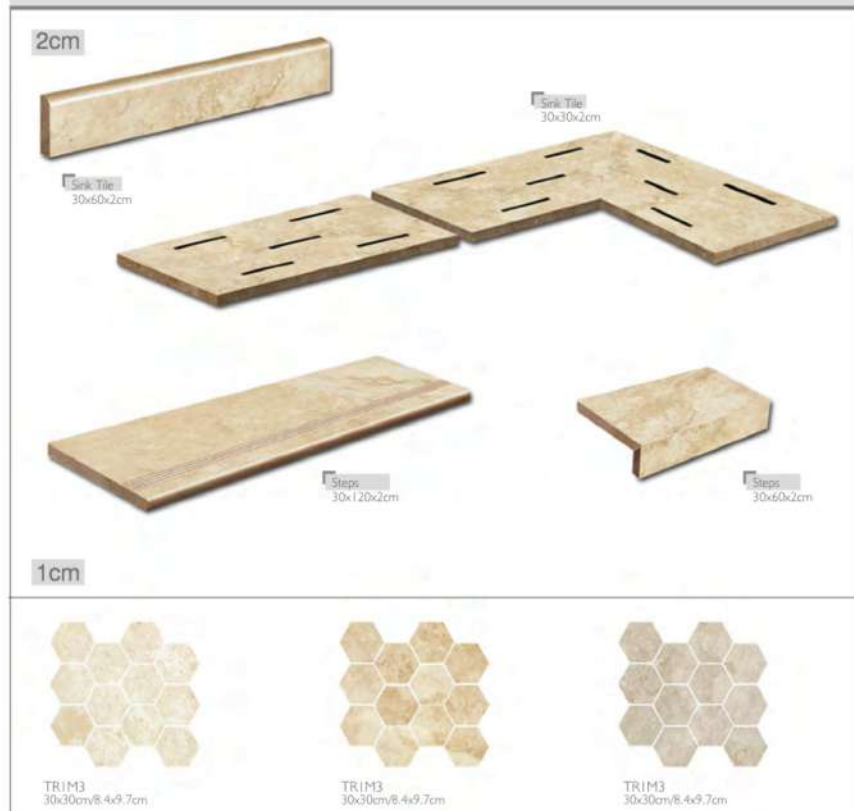
TRAVERTINE

Five Kinds Characteristics



SIZE	THICKNESS	FINISH	COLOR	APPLICATION
600X600 450X900	1cm 2cm	R11 MATT	IVORY CREAM GREY	✈ 🏠 👤 🚶

Accessories



PACKING DETAILS

SERIES	Sizes	Pcs/Ctn	M / Ctn	M / Pallet	Ctns / Pallet	Kg / Pallet
TRAVERTINE	60x60-24"x24" 10mm	4	1.68	40.08	32	1324
	45x90-18"x36" 10mm	3	1.26	31.57	24	1000
	60x60-24"x24" 20mm	2	0.92	23.04	16	736
	45x90-18"x36" 20mm	1	0.46	11.52	8	368

TECHNICAL SPECIFICATION



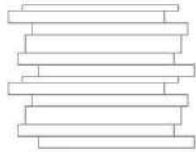
60x60cm 24"x24" 10mm 20mm 45x90cm 18"x36" 10mm 20mm

Compliant with standards EN 14411 Annex G group B1a Compliant with standards ISO 13006 Annex G group B1

Technical features	Test Method	Requirements for nominal size N			TRAVERTINE	
		For production (mm)	For 15cm (%)	For 15cm (mm)		
Length and width	ISO 10545-2	±0.9	±0.6	±2.0	±0.01%	±0.07%
		±0.5	±0.5	±0.5	±1.00%	±1.90%
		±0.75	±0.5	±1.5	±0.04%	±0.15%
		±0.75	±0.5	±1.5	±0.06%	±0.09%
Surface flatness	EN 14411 Annex G (Group B1a) ISO 13006 Annex G (Group B1)	±0.75	±0.5	±2.0	±0.09%	±0.12%
		±0.75	±0.5	±2.0	±0.09%	±0.12%
		±0.75	±0.5	±2.0	±0.09%	±0.12%
		±0.75	±0.5	±2.0	±0.09%	±0.12%
Water absorption	ISO 10545-3	E≤0.5% individual maximum 0.6%			E≤0.11%	E≤0.36%
Breaking strength	ISO 10545-4	S≥1300N			S≥2500N	S≥11000N
Modulus of rupture		R≥3800N/m²			R≥42.4N	R≥47.5N
Impact resistance, as coefficient of restitution	ISO 10545-5	Declared value			≥0.67	≥0.7
Micro hardness	EN 101	≥60(G.L.)			7	7
Abrasion resistance	ISO 10545-6	≤175mm³			Class 4	Class 4
Coefficient of thermal linear expansion	ISO 10545-8	Declared value			3.9 X 10 ⁻⁶ /°C	3.9 X 10 ⁻⁶ /°C
Thermal shock resistance	ISO 10545-9	Pass according to ISO 10545-1			Resistant	Resistant
Moisture expansion (in mm/m)	ISO 10545-10	Declared value			≤0.22 mm/m	≤0.22 mm/m
Frost resistance	ISO 10545-12	Pass according to ISO 10545-1			Resistant	Resistant
Bond strength/ adhesion	EN 1348	Declared value			N/A	N/A
Reaction to fire		Class A1 or A1			A1	A1
Resistance to household chemicals and swimming pool salts	ISO 10545-13	Minimum Class B			Passed	Passed
Resistance to low concentrations of acids and alkalis		Value			Class GLA	—
Resistance to high concentrations of acids and alkalis		Value			Class GHA	—
Resistance to staining	ISO 10545-14	Minimum Class 3			Class 5	Class 5
Barbed Ramp Test	DNV 5507-129N/TS 18165 Annex A)	Declared value			C	C
Shed Ramp Test	DNV 5507-129N/TS 18165 Annex A)	Declared value			R5-R10	R11
Pendulum Friction Test	ISO 2471-2002/EN 12518 Annex G	Declared value			PTV>64Dry PTV>36Wet	PTV>80Dry PTV>50Wet
Coefficient of friction(COF)	B.C.H.A. Res. CEN 81	D.M. 256/88 del 14/05/88			1.20Dry 1.10Wet	1.21Dry 1.19Wet
Dynamic coefficient of friction	ANSI A137.1-2012	ANSI A137.1 requires a minimum value of 0.42 for commercial areas that are likely to be wet			0.71Dry 0.62Wet	0.64Dry 0.61Wet
Static coefficient of friction(SCOF)	ASTM C1028-2002	The Coarse Tiles Institute certifies the Slip Resistant when SCOF ≥0.60			≥0.80Dry ≥0.50Wet	≥0.80Dry ≥0.50Wet
Slip resistance Classification of New Pedestrian Surface Materials	AS 4586:2013 Appendix A	Accredited for compliance with AS/NZS 17025			P4-P5	P5
Pendulum Friction Test	Appendix A/Four 5 (ISO 2471)	Declared classification of the pedestrian surface materials according to the Wet Pendulum Test			Class X	Class V

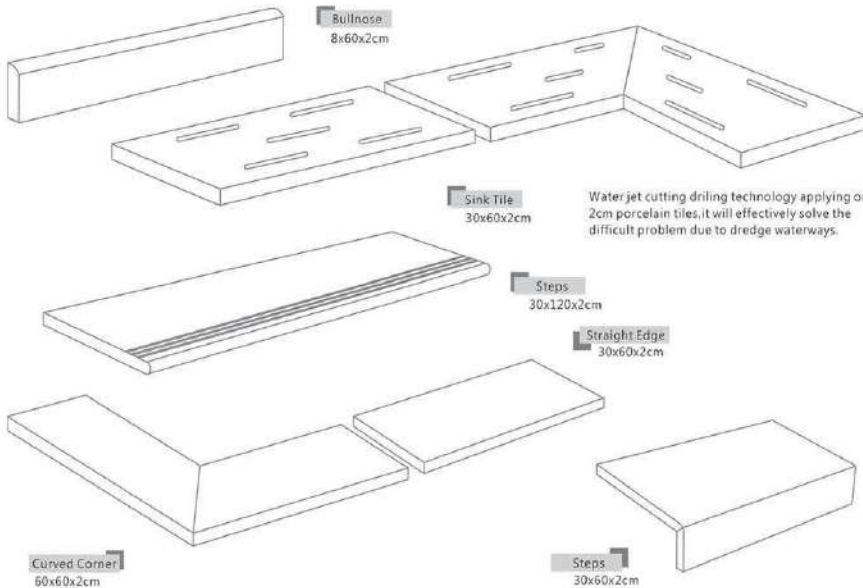
www.viewgres.com

Accessories: 1cm



30x30x1cm

Accessories: 2cm



PACKING DETAILS

SERIES	Size	Pcs/Ctn	M ² /Ctn	M ² /Ptl	Ctns/Ptl	Kg/Ptl
QUARTZ	60x60 24"x24" 10mm	4	1.44	46.08	32	1024
	45x90 18"x36" 10mm	3	1.22	37.67	31	1000
	60x60 24"x24" 20mm	2	0.72	23.04	32	1039
	45x90 18"x36" 20mm	1	0.41	24.60	60	1200

TECHNICAL SPECIFICATION

60x60mm 24"x24" ± 15mm 60x80mm 24"x24" ± 20mm 45x90mm 18"x36" ± 10mm 20mm



Compliant with standards EN 14411 annex G group B1a. Compliant with standards ISO 13006 annex G group B1a

	Technical features	Test Method	Requirements for nominal size N			QUARTZ	
			7mm ≤ N < 15mm (mm)	(%) N ≥ 15mm (mm)		10CM	20CM
	Length and width	ISO 10545-2	± 0.9	± 0.6	± 2.0	± 0.91% ± 0.93mm	± 0.07% ± 0.36mm
	Thickness		± 0.5	± 5	± 0.5	± 1.00% ± 0.16mm	± 1.00% ± 0.25mm
	Straightness of sides		± 0.75	± 0.5	± 1.5	± 0.04% ± 0.23mm	± 0.15% ± 0.80mm
	Rectangularity		± 0.75...	± 0.5...	± 1.5...	± 0.06% ± 0.36mm	± 0.09% ± 0.56mm
	Surface finish		C.O. ± 0.75	C.O. ± 0.5	C.O. ± 2.0	± 0.09% ± 0.24mm	± 0.12% ± 1.01mm
			E.O. ± 0.75	E.O. ± 0.5	E.O. ± 2.0		
			W. ± 0.75	W. ± 0.5	W. ± 2.0		
			En14111 annex G (Group B1)		ISO 13006 annex G (Group B1)		
	Water absorption	ISO 10545-3	E ≤ 0.5% individual maximum 0.6%			E ≤ 0.11%	E ≤ 0.38%
	Breaking strength	ISO 10545-4	S ≥ 1300N			S ≥ 2500N	S ≥ 11000N
	Modulus of rupture		R ≥ 30N/mm ²			R ≥ 42.4N	R ≥ 42.5N
	Abrasion resistance	ISO 10545-6	≤ 175mm ³			Class 4	Class 4
	Coefficient of thermal linear expansion	ISO 10545-8	Declared value		Test method available	3.9 X 10 ⁻⁶ /°K	3.9 X 10 ⁻⁶ /°K
	Thermal shock resistance	ISO 10545-9	Pass according to ISO 10545-1		Test method available	Resistant	Resistant
	Resistance to household chemicals and swimming pool sets	ISO 10546-13	Minimum Class B		Class GA	Passed	Passed
	Resistance to low concentrations of acids and alkalis		Value		Class GLA	—	—
	Resistance to high concentrations of acids and alkalis		Value		Class GLA	—	—
	Moisture expansion (n mm/m)	ISO 10545-10	Declared value		Test method available	< 0.72 mm/m	< 0.72 mm/m
	Frost resistance	ISO 10545-12	Pass according to ISO 10545-1		Required	Resistant	Resistant
	Impact resistance, as coefficient of restitution	ISO 10545-5	Declared value		Test method available	≥ 0.57	≥ 0.7
	Mohs hardness	EN 101	≥ 8(JGL)			7	7
	Bond strength/ adhesion	EN 1348	Declared value		—	N/A	N/A
	Reaction to fire		Class A1 or A1		—	A1 _s	A1 _s
	Resistance to staining	ISO 10545-14	Minimum Class 3		Test method available	Class 5	Class 5
	Coefficient of friction(COF)	B.C.R.A.Rep.CEC81	D.M.236/69 cal.10/06/89			1.23Dry 1.16Wet	1.21Dry 1.19Wet
	Dynamic coefficient of friction	ANSI A137.1-2012	ANSI A 137.1 Requires a minimum value of 0.42 for commercial areas that are likely to be wet			0.71Dry 0.62Wet	0.64Dry 0.61Wet
	Static coefficient of friction(SCOF)	ASTM C1028-2007	The Ceramic Tiles Institute identifies Tile Slip Resistant when SCOF ≥ 0.60			≥ 0.60Dry ≥ 0.60Wet	≥ 0.80Dry ≥ 0.80Wet
	Sip resistance Classification of New Pedestrian Surface Materials	AS 4586 : 2013 Appendix A	Accredited for compliance with isoiec 17025			P4-P5	P5
	Pendulum Friction Test	Appendix A(four S rubber)	Declared classification of the pedestrian surface materials according to the Wet Pendulum Test			Class X	Class V
	Barefoot Ramp Test	DRV107 (CEN/TS 16165 Annex A)	Declared value		—	C	C
	Shod Ramp Test	DIN 51130 (CEN/TS 16165 Annex A)	Declared value		—	R9-R10	R11
	Pendulum Friction Test	BS 7991-2002(CEN/TS 16165 Annex G)	Declared value		—	PTV ≥ 64Dry PTV ≥ 38Wet	PTV ≥ 90Dry PTV ≥ 62Wet