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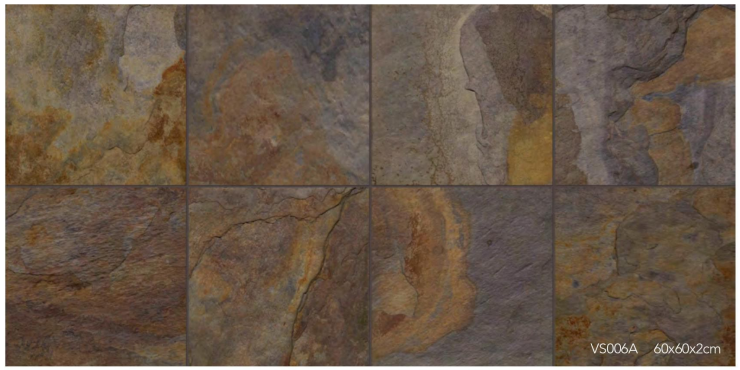
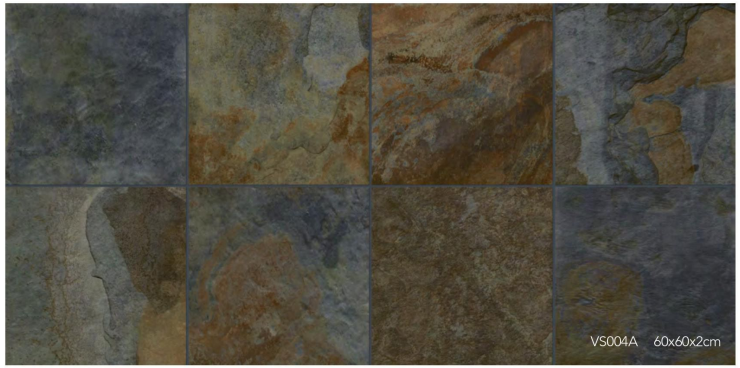
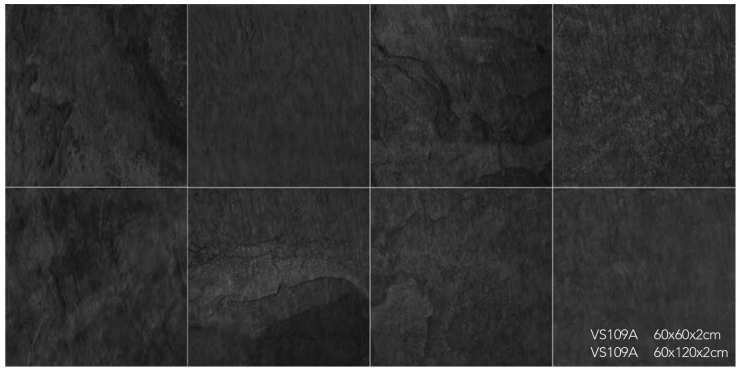
Slate Series







M A

Indoor Outdoor concept

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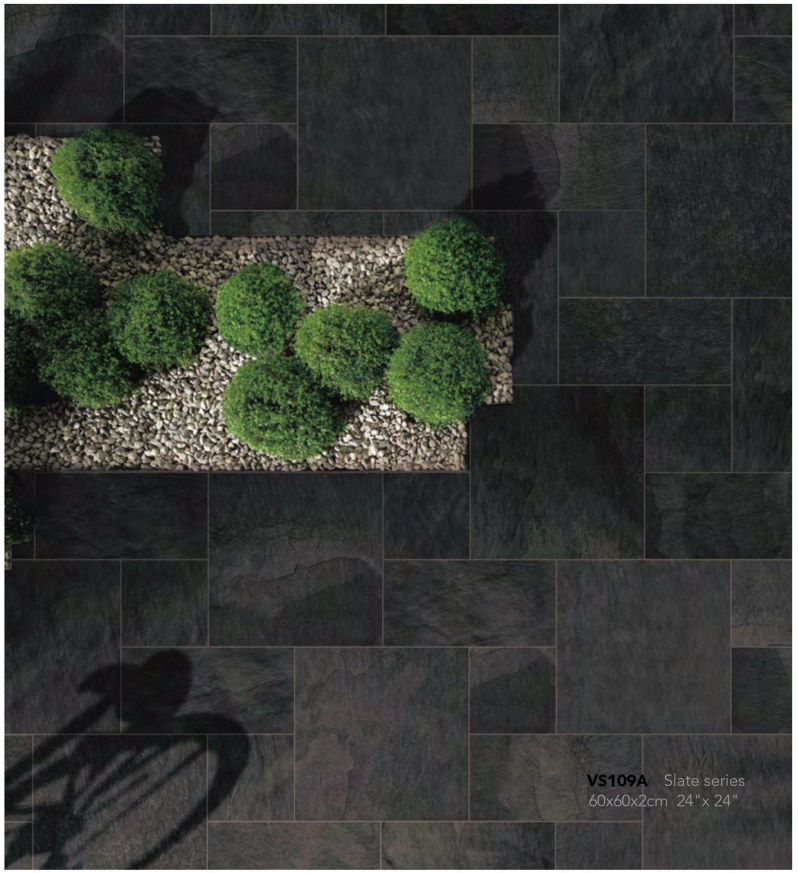

PACKING DETAILS

SERIES	Sizes		Pcs/Ctn	M²/Ctn	M²/Plt	Ctns/Plt	Kg/Plt
FINE PORCELAIN	30×60-12"×24"	1cm	8	1.44	46.08	32	1054
	30×60-12"×24"	2cm	4	0.72	23.04	32	1054
	60×60-24"×24"	1cm	4	1.44	46.08	32	1092
	60×60-24"×24"	2cm	2	0.72	23.04	32	1092
	22.5×90-9"×36"	1cm	6	1.22	44.64	31	1086
	30×120-12"×48"	2cm	2	0.72	22.32	31	1086
	60×120-24"×48"	1cm	2	1.44	44.64	31	1086
	60×120-24"×48"	2cm	1	0.72	22.32	31	1086

TECHNICAL SPECIFICATION

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

Compliant with standards EN 14411 annex G group Bla Compliant with standards ISO 13006 annex G group Bla

Technical features	Test Method	Requirements for nominal size N			FINE PORCELAIN	
		7cm≤N<15cm	N≥15cm			
		(mm)	(%)	(mm)	1CM	2CM
Length and width	ISO 10545-2	±0.9	±0.6	±2.0	±0.01% ±0.02mm	±0.07% ±0.36mm
Thickness		±0.5	±5	±0.5	±1.00% ±0.10mm	±1.90% ±0.25mm
Straightness of sides		±0.75	±0.5	±1.5	±0.04% ±0.23mm	±0.15% ±0.89mm
Rectangularity		±0.75	±0.5	±1.5	±0.06% ±0.36mm	±0.09% ±0.56mm
Surface flatness		c.c ±0.75	c.c ±0.5	c.c ±2.0	±0.09% ±0.74mm	±0.12% ±1.01mm
		e.c ±0.75	e.c ±0.5	e.c ±2.0		
		W. ±0.75	W. ±0.5	W. ±2.0		
		EN14411 annex G (Group Bla)	ISO 13006 annex G (Group Bla)			
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≥35N/mm²			R≥42.4N	R≥42.5N
Abrasion resistance	ISO 10545-6	≤175mm³			Class 4	Class 4
Coefficient of thermal linear expansion	ISO 10545-8	Declared value	Test method available		3.9 X 10⁻⁶K⁻¹	3.9 X 10⁻⁶K⁻¹
Thermal shock resistance	ISO 10545-9	Pass according to ISO 10545-1	Test method available		Resistant	Resistant
Resistance to household chemicals and swimming pool salts	ISO 10545-13	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 GHA		—	—
Moisture expansion(in 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		≥0.67	≥0.7
Mohs hardness	EN 101	≥6(UGL)			7	7
Bond strength/ adhesion	EN 1348	Declared value	—		N/A	N/A
Reaction to fire		Class A1 or A1	—		$A1_{fl}$	$A1_{fl}$
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.CEC/81	D.M 236/89 del 14/06/89			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
Slip resistance Classification of New Pedestrian Surface Materials	AS 4586: 2013 Appendix A	Accredited for compliance with iso/iec 17025			P2-P4	P4-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	DIN 51097 (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 7976-2002(CEN/TS 16165. Annex C)	Declared value	—		PTV>64Dry PTV>38Wet	PTV>90Dry PTV>60Wet

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