

60x60 24"x24" 2cm 3cm

Compliance with standards EN 14411 annex G group B1 Compliance with standards ISO 13006 annex G group B1

	Technical features	Test Methods	Requirement for nominal size N			2CM	3CM
			7cm ≤ N < 15cm	N ≥ 15cm			
			(mm)	(%)	(mm)		
	Length and width	ISO 10545-2				± 0.07% ± 0.36mm	± 0.07% ± 0.36mm
	Thickness		± 0.9	± 0.6	± 2.0	± 1.90% ± 0.25mm	± 1.90% ± 0.25mm
	Straightness of sides		± 0.5	± 5	± 0.5	± 0.15% ± 0.89mm	± 0.15% ± 0.89mm
	Rectangularity		± 0.75	± 0.5	± 1.5	± 0.09% ± 0.56mm	± 0.09% ± 0.56mm
	Surface flatness	ISO 10545-2	± 0.75...	± 0.5...	± 1.5...	± 0.12% ± 1.01mm	± 0.12% ± 1.01mm
			C.C±0.75	C.C±0.5	C.C±2.0		
			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 B1 ) ISO 13006 annex G( Group B1 )				
	Water absorption	ISO 10545-3	E ≤ 0.5% individual maximum 0.6%			E ≤ 0.38%	E ≤ 0.38%
	Breaking strength	ISO 10545-4	S ≥ 1300N			S ≥ 11000N	S ≥ 28000N
	Modulus of rupture		R ≥ 35N/mm <sup>2</sup>			R ≥ 42.5N	R ≥ 42.5N
	Abrasion resistance	ISO 10545-6	≤ 175mm <sup>2</sup>			Class 4	Class 4
	Coefficient of linear thermal expansion	ISO 10545-8	Declared value	Test method available		3.9X10 <sup>-6</sup> K <sup>-1</sup>	3.9X10 <sup>-6</sup> K <sup>-1</sup>
	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		≤ 0.72mm/m	≤ 0.72mm/m
	Frost resistance	ISO 10545-12	Pass according to ISO 10454-1	Required		Resistant	Resistant
	Impact resistance, as coefficient of restitution	ISO 10545-5	Declared value	Test method available		≥ 0.7	≥ 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	A1
	Resistance to staining	ISO 10545-14	Minimum Class 3	Test method available		Clsaa 5	Clsaa 5
	Coefficient of friction(COF)	B.C. R.A. Rep. CEC/81	D M 236/89 del 14/06/89			1.21Dry 1.19Wet	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			0.64Dry 0.61Wet	0.64Dry 0.61Wet
	Static coefficient of friction(SCOF)	ASTM C1028-2007	The Ceramic Tiles Institute identifies Tile Slip Resistant when SCOF ≥ 0. 60			≥ 0.80Dry ≥ 0.80Wet	≥ 0.80Dry ≥ 0.80Wet
	Slip resistance Classification of New Pedestrian Surface Materials	AS4586:2013 Appendix A	Accredited for compliance with iso/iec 17025			P4-P5	P4-P5
	Pendulum Friction Test	Appendix A(Four s rubber)	Declared classification of the pedestrian surface materials according to the Wet Pendulum Test			Clsaa V	Clsaa V
	Barefoot Ramp Test	DIN 51097( CENTS 16165 Annex A)	Declared value	—		C	C
	Shod Ramp Test	DIN 51130 (CEN/TS 16165 Annex A)	Declared value	—		R11	R11
	Pendulum Friction Test	BS 7976-2002( CEN/TS 16165. Annex C)	Declared value	—		PTV>=90Dry PTV>=60Wet	PTV>=90Dry PTV>=60Wet