

Technical features						
Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group Bla GL			Standard requirements		Test results	Reference standard
			N ≥ 15 cm			
			(%)	(mm)	MATTE	
	Lenght and with: deviation of the average size for each tile from the work size	Squadrato ISO 13006	± 0,3%	± 1 mm	± 0,15%	ISO 10545-2
	Thickness: deviation of the average thickness of each tile form the work size thickness	Squadrato ISO 13006	± 5%	± 0,5 mm	± 5%	
	Straightness: maximum deviation to the corresponding work sizes	Squadrato ISO 13006	± 0,3%	± 0,8 mm	± 0,10%	
	Orthogonality: permissible deviation in relation to the corresponding manufacturing dimensions	Squadrato ISO 13006	± 0,3%	± 1,5 mm	± 0,20%	
	Flatness: center curvature, edge curvature, and warpage in relation to the corresponding manufacturing dimensions	Squadrato ISO 13006	± 0,4%	± 1,8 mm	0,20%	
	Surface quality	A minimum of 95% of the tiles are to be free from visible defects			Compliant	
	Water absorption, percent mass fraction	≤ 0,5%			Average value 0,08%	ISO 10545-3
	Breaking strength in N (thickness < 7.5 mm)	≥ 700			Average value 1350 N	ISO 10545-4
	Bending strength in N/mm²	≥ 35			Average value 52 N/mm²	
	Resistance to surface abrasion	See manufacturer's declaration			Shell Class 4 Cotton Class 4 Haze Class 4 Graphit Class 2	ISO 10545-7
	Thermal shock resistance	Available testing method			Resistant	ISO 10545-9
	Crazing resistance	Required			Resistant	ISO 10545-11
	Resistance to staining	Minimum class 3			Class 4	ISO 10545-14
	Resistance to low concentrations of acids and alkali	See manufacturer's declaration			LA	ISO 10545-13
	Resistance to household chemicals and swimming pool salts	Minimum class B			A	
	Frost resistance	Required			Resistant	ISO 10545-12
	Release of hazardous substances	Declared value for GL surfaces intended for countertop applications			Compliant	DM 1-2-2007 Reg. CE 1935-2004
	Dynamic coefficient of friction	≥ 0,42			≥ 0,42 wet	ANSI-A326.3
		> 0,40			> 0,40	METODO BCRA
	Shod ramp slipperiness	See manufacturer's declaration			R10 (10° < α ≤ 19°)	DIN EN 16165 ANNEX B

Technical features							
Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group Bla GL			Standard requirements		Test results		Reference standard
			N ≥ 15 cm				
			(%)	(mm)	MATTE	GRIP	
	Lenght and with: deviation of the average size for each tile from the work size	Squadrato ISO 13006	± 0,3%	± 1 mm	± 0,15%		ISO 10545-2
	Thickness: deviation of the average thickness of each tile form the work size thickness	Squadrato ISO 13006	± 5%	± 0,5 mm	± 5%		
	Straightness: maximum deviation to the corresponding work sizes	Squadrato ISO 13006	± 0,3%	± 0,8 mm	± 0,10%		
	Orthogonality: permissible deviation in relation to the corresponding manufacturing dimensions	Squadrato ISO 13006	± 0,3%	± 1,5 mm	± 0,20%		
	Planarità curvatura del centro, dello spigolo e svergolamento	Squadrato ISO 13006	± 0,4%	± 1,8 mm	0,35%		
	Surface quality	A minimum of 95% of the tiles are to be free from visible defects			Compliant		
	Water absorption, percent mass fraction		≤ 0,5%		Average value 0,08%		ISO 10545-3
	Breaking strength in N (thickness < 7.5 mm)		≥ 1300		Average value 2200 N		ISO 10545-4
	Bending strength in N/mm²		≥ 35		Average value 50 N/mm²		
	Resistance to surface abrasion		Available testing method		Shell Class 4 Cotton Class 4 Haze Class 4 Graphit Class 2		ISO 10545-7
	Thermal shock resistance		Available testing method		Resistant		ISO 10545-9
	Crazing resistance		Required		Resistant		ISO 10545-11
	Resistance to staining		Minimum class 3		Class 4		ISO 10545-14
	Resistance to low concentrations of acids and alkali		See manufacturer's declaration		LA		ISO 10545-13
	Resistance to household chemicals and swimming pool salts		Minimum class B		A		
	Frost resistance		Required		Resistant		ISO 10545-12
	Dynamic coefficient of friction		≥ 0,42		≥ 0,42 wet		ANSI-A326.3
			> 0,40		> 0,40		METODO BCRA
	Shod ramp slipperiness		See manufacturer's declaration		R10 (10° < α ≤ 19°)	R11 (19° < α ≤ 27°)	DIN EN 16165 ANNEX B
	Pendulum test slipperiness		See manufacturer's declaration		-	PTV > 36 (slider 96)	BS EN 16165 ANNEX C