

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	GLOSSY	
	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/mm ²	≥ 35			Average value 52 N/mm ²		
	Resistance to surface abrasion	See manufacturer's declaration			Illusion Class 4 Crème Class 4 Symphonie Class 3 Gris Class 3 Renoir Class 2	Illusion Class 4 Crème Class 4 Symphonie Class 3 Gris Class 2 Renoir 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	Class 3	ISO 10545-14
	Resistance to low concentrations of acids and alkali	See manufacturer's declaration			LA	LB	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

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				(%)	(mm)	MATTE	GLOSSY	
	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 corresonding 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/mm ²	≥ 35			Average value 50 N/mm ²			
	Resistance to surface abrasion	Available testing method			Crème Class 4 Tropical Class 4 Gris Class 4 Renoir Class 4		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	LB	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	