

Technical features										
Dry-pressed ceramic tiles. Quality specifications, according to control tests of EN 14411-ISO 13006 Appendix G group B1a UGL				Standard requirements		Test results				Reference standard
				N ≥ 15 cm						
				(%)	(mm)	MATTE SOFT	MATTE PTV	GLOSSY	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/mm ²	≥ 35			Average value 52 N/mm ²					
	Resistance to deep abrasion	≤ 175 mm ³			Average value 140 mm ³				ISO 10545-6	
	Thermal shock resistance	Available testing method			Resistant				ISO 10545-9	
	Resistance to staining	Available testing method			Class 4	Class 5	Class 4	Class 5	ISO 10545-14	
	Resistance to low concentrations of acids and alkali	See manufacturer's declaration			LB	LA	LB	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	See manufacturer's declaration			≥ 0,42 wet		-	≥ 0,42 wet	ANSI-A326.3	
		See manufacturer's declaration			-	> 0,40	-	> 0,40	METODO BCRA	
	Shod ramp slipperiness	See manufacturer's declaration			-	R10 (10° < α ≤ 19°)	-		DIN EN 16165 ANNEX B	
	Barefoot ramp slipperiness	See manufacturer's declaration			-	Class B (18° ≤ α < 24°)	-		DIN EN 16165 ANNEX A	
	Pendulum test slipperiness	See manufacturer's declaration			-	PTV > 36 (slider 96)	-		BS EN 16165 ANNEX C	

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			N ≥ 15 cm					
			(%)	(mm)	MATTE	MATTE SOFT	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%			
	Flatness: center curvature, edge curvature, and warpage in relation to the corresponding manufacturing dimensions	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 deep abrasion	≤ 175 mm³			Average value 140 mm³			ISO 10545-6
	Thermal shock resistance	Available testing method			Resistant			ISO 10545-9
	Resistance to staining	Available testing method			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	See manufacturer's declaration			≥ 0,42 wet		-	ANSI-A326.3
		See manufacturer's declaration			> 0,40		-	METODO BCRA
	Shod ramp slipperiness	See manufacturer's declaration			R9 (6° < α ≤ 10°)		-	DIN EN 16165 ANNEX B