

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	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	0,20%		
	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		ISO 10545-14	
	Resistance to low concentrations of acids and alkali	See manufacturer's declaration		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	