santamargherita
THE ORIGINAL ITALIAN SURFACE ®

TECHNICAL DATA



Product:	**CONCERTO MAESTRO**
Brand name:	**SM QUARTZ®**
Composition:	**10 - 13 % Resin** **87 - 90 % Selected minerals**
Surface finish:	**Polished, Silk**
Slabs size (cm):	**320x155, 330x165**
Slabs thickness* (cm):	**2,0 - 3,0**

* Other sizes and thicknesses available on request

Characteristics	Standard	Value	Notes
Apparent density	EN 14617-1	2250 - 2450 Kg/m^3	
Water absorption	EN 14617-1	≤ 0,10 %	
Flexural strength	EN 14617-2	55 - 80 Mpa	
Abrasion resistance	EN 14617-4	29 - 33 mm	
Frost resistance	EN 14617-5	KM_{f25} 0,9 - 1,2	
Thermal shock resistance	EN 14617-6	Δm% ≤ 0,07 %	Test temperature: 70°C
		$\Delta R_{f,20}$ ≤ 20 %	
Impact resistance	EN 14617-9	2,0 - 4,0 J	For thickness 12 mm
		≥ 5,0 J	For thickness 20 mm, 30 mm
Chemical resistance	EN 14617-10	C4	
Linear thermal expansion coefficient	EN 14617-11	28 - 40 x 10^{-6} °C^{-1}	
Dimensional stability	EN 14617-12	Class A (<0,3 mm)	Referred to tiles 30x30x1,2 cm
Electrical resistivity	EN 14617-13	ρ_s ≥ 10^{10} Ω	Referred to surface
		ρ_v ≥ 10^8 Ω m	Referred to volume
Compression resistance	EN 14617-15	150 - 250 MPa	
Mohs hardness	EN 101	up to 7 Mohs	
Thermal conductivity	EN 12524	1,3 W/(m K)	From tabulated values
Reaction to fire	ASTM E84	Class A	US standard
Reaction to fire	EN 13501-1	C-s3,d0	Walls
Reaction to fire	EN 13501-1	B_{fl}-s1	Flooring
Slip resistance	EN 14231	≥ 35 (Dry)	
		≥ 3 (Wet)	
Slip resistance	DIN 51130	R9	For Honed H9

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