



Fortezza Indicative Technical Characteristics

Test	Standard		Values
Water Absorption	ASTM C97	%	0,04
	EN 14617-1	%	W4 ≤ 0,05
Density	ASTM C97	lb/ft ³	150,9
	EN 14617-1	g/cm ³	Av. 2,3
Breaking Strength	ASTM C648	lbf	3883
Flexural Strength	ASTM C880	psi	Dry: 6809
	EN 14617-2	Mpa	Wet: 6725 F4 ≥ 40
Modulus of Rupture	ASTM C99	psi	Dry: 7379
			Wet: 5585
Bond Strength	ASTM C482	psi	241
Compressive Strength	ASTM C170	psi	Dry: 33369
			Wet: 35446
Impact Resistance	EN 14617-9	joule	≥ 3
Abrasion Resistance	ASTM C501	-	212
	EN 14617-4	mm	A4 ≤ 29
	ASTM C484	-	No visible defects.
Thermal Shock Resistance	EN 14617-6	%	Δm% = 0,48
			ΔR _T 20% = 5
Freeze and Thaw Resistance	ASTM C1026	-	No visible defects.
	EN 14617-5	-	KM _{T25} = 0,98
			Freeze: 1,637*10
Linear Thermal Expansion Coefficient	ASTM E228	%	Thaw: 1,958*10
	EN 14617-11	10-6 / °C	19,7
			Dry SRV: 41
Slip Resistance	EN 14231	-	Wet SRV: 4,5
			Dry: 0,76
Static Friction Coefficient for Polished Surface	ASTM 1028	-	Wet: 0,47
			Dry: 0,77
Static Friction Coefficient for Seta (Matte) Surface	ASTM 1028	-	Wet: 0,66
			Dry: 0,77
Reaction to Fire Class	EN 13501-1	-	A2 s1 d0
Electrical Resistance	EN 14617-13	Ω	R _s 3*10 ¹²
			R _v 2*10 ¹²
Chemical Resistance	EN 14617-10	-	C4
Thermal Conductivity Coefficient	EN 12664	(W/mK)	0,777
Dimensional Stability	EN 14617-2	-	Class A

	Fortezza Quartz Surfaces	Natural Stone (Granite)	Laminate	Acrylic Surfaces
Scratch Resistance	✓	✓		
Flexural Strength	✓			
Breaking Rupture Strength	✓			✓
Chemical Resistance	✓			✓
Liquid Impermeability and Non-porousness	✓			✓
Stain Proof	✓		✓	✓
Hygiene	✓			✓
Maintainability	✓			
Heat	✓	✓		
Color Stability	✓		✓	✓