



Fortezza Indicative Technical Characteristics

Test	Standard	Values
Water Absorption	ASTM C97 EN 14617-1	% % W4 ≤ 0,05
Density	ASTM C97 EN 14617-1	lb/ft ³ g/cm ³ 150,9 Av. 2,3
Breaking Strength	ASTM C648	lbf
Flexural Strength	ASTM C880 EN 14617-2	psi Mpa 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 EN 14617-4	mm - A4 ≤ 29
Thermal Shock Resistance	ASTM C484 EN 14617-6	- No visible defects. Δm% = 0,48 Δ _{RT} 20% = 5
Freeze and Thaw Resistance	ASTM C1026 EN 14617-5	- - No visible defects. KM ₁₂₅ = 0,98 Freeze: 1,637*10 Thaw: 1,958*10
Linear Thermal Expansion Coefficient	ASTM E228 EN 14617-11	% 10-6 / °C 19,7
Slip Resistance	EN 14231	- Dry SRV: 41 Wet SRV: 4,5
Static Friction Coefficient for Polished Surface	ASTM 1028	- Dry: 0,76 Wet: 0,47
Static Friction Coefficient for Seta (Matte) Surface	ASTM 1028	- Dry: 0,77 Wet: 0,66
Reaction to Fire Class	EN 13501-1	- A2 s1 d0
Electrical Resistance	EN 14617-13	Ω R _S 3*10 ¹² R _Y 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	✓		✓	✓