

Physical Characteristics

Silestone® meets the standards for Ceramic Tile, ANSI A-137, and Dimensional Granite ASTM C-615.

Silestone® carries the NSF listing for Standard 51-Food Equipment Materials.

Silestone® is the only quartz surface material with the antimicrobial agent Microban®.

Property	Method	Results
Water Absorption	ASTM C97	0.03%
Bond Strength	ASTM C482	211 psi
Impact Strength	ASTM C256	.352 ft
Modulus of Rupture	ASTM C99	6310 psi
Stain Resistance	ASTM C650	see test
Flexural Strength	ASTM C880	5840 psi
Thermal Shock	ASTM C484	Passed 5 cycles
Compressive Strength	ASTM C179	29,100 psi
Abrasive Index	ASTM C241	65
Static Coefficient of Friction	ASTM C1028 dry	1.02
Static Coefficient of Friction	ASTM C1028 wet	0.51
Thermal Expansion	ASTM C531	1.67x10 ⁻⁵ in/in/°F
Deicing	ASTM C672	Passed (0 rating)
Freeze-Thaw	ASTM C1026	15 cycles 0 tiles
Flame Spread	ASTM E84	Class 1
Breaking Strength	ASTM C648	480 lbf
Density	ASTM 373	2.47 gr/cm ³
Flammability	UL-94	Best rating
MOH's Hardness		6.0-6.5