



## Natural Quartz Test Data

<b>METHOD</b>	<b>PROPERTY</b>	<b>RESULTS</b>
ASTM C97-09	Water Absorption	0.02%
ASTM C97-09	Specific Gravity	148.3lbs/ft <sup>3</sup>
ASTM C99-09	Modulus of Rupture	9,300 psi
ASTM C170-14	Compressive Strength	
	Dry	23,700 psi
	Wet	22,100 psi
ASTM C880-09	Flexural Strength	8,700 psi
ASTM C1353-15	Abrasion Resistance	31.9 lw
ASTM C217	Weather Resistance	No Damage
ASTM C373	Density	2.38 g/cm <sup>3</sup>
ASTM C482	Bond Strength	237 psi
ASTM C484	Thermal Shock	No Damage Passed 25 cycles
ASTM C501	Wear Resistance	139 lw
ASTM C531	Thermal Expansion	2.61x10 <sup>-5</sup> in/in F
ASTM C648	Breaking Strength	480 lbs
ASTM C650	Chemical Resistance	No Damage
ASTM C672	De-icing Resistance	No Damage
ASTM C1028	Static Coefficient of Friction	
	Dry	0.78
	Wet	0.61
ASTM D256	Izod Impact	0.363 ft lbs/in
ASTM D543	Chemical Reagents Resistance	No Damage
ASTM D6329	Mold Resistance	No Microbial Growth
ASTM E84	Flame Spread	
	Index	
	Smoke Development Index	
MOS	MOH'S Hardness	

Premium Natural Quartz testing is performed by Testing Services - an US Independent Laboratory. Testing represents average results. For more details, please visit [www.emerstone.com](http://www.emerstone.com)