



ECO™ BY COSENTINO PHYSICAL CHARACTERISTICS

ECO by Cosentino meets the standards for Ceramic Tile, ANSI A-137, and Dimensional Granite ADTM C-615.

Property	Method	Results
Water Absorption and Bulk Specific Gravity	ASTM C97	0.02%: 2.29 gr/cm ³
Water Absorption	ASTM C373	.05%
Bond Strength	ASTM C482	395 psi
Modulus of Rupture	ASTM C99	5424 psi average
Chemical Resistance	ASTM C650	see test results*
Stain Resistance	ASTM C1378	see test results
Flexural Strength	ASTM C880	5004 psi average
Flexural Strength	ASTM C674	6283 psi
Thermal Shock	ASTM C484	Passed 10 cycles
Compressive Strength	ASTM C170	25, 156 psi average
Abrasive Resistance	ASTM C1353	79.40 average
Static Coefficient of Friction	ASTM C1028 dry	1.41
Static Coefficient of Friction	ASTM C1028 wet	0.50
Moisture Expansion	ASTM C370	0.04% average
Thermal Expansion	ISO 10545-8	3.0957 x 10 ⁻⁵ per °C
Freeze-Thaw	ASTM C1026	Passed 15 cycles
Flame Spread	ASTM E84	Class 1/A
Smoke Toxicity	UPITT	81.4g PASSED Std ≥ 19.7g required
Breaking Strength	ASTM C648	2795 lbf
MOH's Hardness		6.0

* Unaffected by all household, swimming pool, acids, and bases chemicals tested.