

SOLNHOFEN ASTM Test Data

	ASTM Test	Beige & Melange	Gray	Fossilstone	Green	Bavarian** Gold	Industry Requirements high density granite limestone	
C-97	Absorbtion (%)	1.00	.95	1.23	2.31	1.7	max	3.00 0.4
C-97	Density (lbs/ft3)	165.36	165.86	165	165	178.03	min	160 160
C-99	Modulus of Rupture (psi)	2559	2559	2994	3900	2043	min	1000 1500
C-880	Flexural Strength (psi)	1550	1550	1550	2360	1585	min	1000 NA
C-170	Comp. Strength (psi)	19,994	23,054	23,270	20,429	13,381	min	8000 19,000
C-241	Abrasion Index	37.6	31.4	27.8	21.8	NA	min	10-12 NA
C-67	Freeze Thaw (25 cycles)				no change	no change		NA no change
C-217	Weathering (in)				0.0005	0.0000		NA NA
C-1028	Slip Resistance (avg.) (honed finish - dry)	0.67 average	0.67 average	0.79 average	0.95 average	0.6 or greater*		

* According to the Ceramic Tile Institute of America (CTIOA) 0.5 - 0.6 is conditionally slip resistant; 0.6 or greater is classified as slip resistant. The Americans with Disabilities Act (ADA) provides the following guidelines; 0.6 for horizontal surfaces and 0.8 for ramps, but does not specify a test method.

** Additional test results for facade applications are available upon request.

DISCLAIMER:

Test data is for informational purposes only. Because stone is a product of nature, actual test results may vary from test results shown on this chart.