

## Test Data: GranitiFiandre Material

NO.	PHYSICAL PROPERTIES	TEST	INDUSTRY STANDARDS	<b>GRANITIFIANDRE™ RESULTS</b> <small>(AS TESTED BY SMITH EMERY LABORATORY)</small>
1	WATER ABSORPTION	ASTM C-373	Tile shall be impervious (≤ 0.5% for Porcelain Tile)	≤0.036%
2	SIZE	ASTM C-499	Range of Thickness (inches)    0.040 Average Facial Dimension       1.5% Warpage                                ± 1% on any edge Warpage                                ± 75% on diagonal Wedging                                 ± 1%	0.013 0.40% 0.24% 0.18% 0.59%
3	BOND STRENGTH	ASTM C-482	50 psi or greater	Exceeds standards > 300 psi
4	ABRASIVE HARDNESS	ASTM C-501	100	253
5	HARDNESS (Mohs Scale)		No Requirement	8/9**
6	ROBINSON FLOOR TEST	ASTM C-627	N/A	14 cycles “Extra Heavy Rating”
7	THERMAL SHOCK RESISTANCE	ASTM C-484-66	No sample must show visible defects	Resistant
8	FROST RESISTANCE	ASTM C-1026 C-1028 C-674	No sample must show alterations to surface	Frost proof No cracking or spalling occurred
9	CHEMICAL RESISTANCE	ASTM C-650	To 10% HCL Acid - No sample must show visible signs of chemical attack - To 10% KOH Alkali	Unaffected
10	BREAKING STRENGTH	ASTM C-648	250 psi or greater	Exceeds standards > 500 psi
11	COLOR RESISTANCE TO LIGHT	DIN 51094	No noticeable color changes	No change in brightness or color
12	IMPACT RESISTANCE	ASTM C-368	N/A	44.9 psi strength factor
13	SKID RESISTANCE (Average coefficient of friction)	ASTM C-1028		Meets or exceeds requirements***

\*\*\* Please ask for individual test reports, as numbers vary depending on size, finish and/or thickness