

AMERICAN STANDARDS

Physical properties	Test	Industry Standards	GranitiFiandre results TM (as tested by Smith Emery laboratory)
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Water Absorption	ASTM C-373	Tile shall be impervious ($\leq 0,5\%$ for Porcelain Tile)	$\leq 0,036\%$
Size	ASTM C-499	<ul style="list-style-type: none"> • Range of Thickness (inch.) 0,040 • Average Facial Dimension $\pm 1,5\%$ • Warpage $\pm 1\%$ on any edge • Warpage $\pm 0,75\%$ on diagonal • Wedging $\pm 1\%$ 	0,013 0,40% 0,24% 0,18% 0,59%
Abrasive Hardness	ASTM C-501	≥ 100	253
Thermal shock resistance	ASTM C-484	No sample must show visible defects	Resistant
Frost resistance	ASTM C-1026	No sample must show alterations to surface	Frost proof No cracking or spalling occurred
Chemical resistance	ASTM C-650	No requirement	Unaffected
Breaking Strength	ASTM C-648	250 lbf or greater	Exceeds standards > 500 lbf *
Color resistance to light	DIN 51094	No noticeable color change	No change in brightness or color
Skid resistance Average coefficient of friction	ASTM C-1028	No requirement	≥ 0.60 wet/dry **

* Item tested SERENA - matt

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