

Technical Specifications

Physical Properties	ASTM Test	Industry Standards	Results
Water Absorption	C373	Impervious < 0.5%	≤ 0.1%
Thickness Dimension	C499	Range ±0.04 Inc. Max	≤ ±0.04 Inc.
Facial Dimension	C499	± 0.25%	≤ ±0.25%
Warpage Average Diagonal	C485	±0.40%	≤ ± 0.40%
Warpage Average Edge	C485	±0.40%	≤ ±0.40%
Wedging Average	C502	±0.25%	≤ ±0.25%
Bond Strength	C482	≥ 50 psi	≥ 200 psi
Breaking Strength	C648	≥250 lbf	≥ 400 lbf
Hardness (Mohs)	Scratch Test (No regulated)	Range 0-10	≥7
Visible Abrasions Resistance for Glaze Tiles	C1027	No Requirement Range 0 – 5	Class 4
Frost Resistance	C1026	No samples must show alterations to surface	No Evidence of Damage
Chemical Resistance	C650	No Requirement Range E- A	Class A
Stain Resistance	C1378	No Requirement Range E- A	Class A*
DCOF Acutest	BOT 3000	≥ 0.42*	≥ 0.42*
Aesthetic Class/Shade Rating	Visual Evaluation Shade & Texture	No Requirement Range V0-V4	V2

