

Physical – Visual Properties	ASTM TEST	Industry Standard	Fiandre Results
Water absorption	C373	Impervious <0.5%	≤0.1%
Thickness Dimension	C499	Range ± 0.02 Inc. Max.	≤±0.02 Inc.
Length / Width Variation (Variation from average facial dimension)	C499	± 0.25 %	≤ ± 0.25%
Wedging	C502	± 0.25 %	≤ ± 0.25%
Dry Bond Strength	Section 7.5	≥ 150 psi	≥ 200 psi
Breaking Strength	C648	≥175 lb.	≥ 200 lb.
Hardness (Mohs)	Scratch Test (No regulated)	Range 0 - 10	≥ 7
Deep Abrasion Resistance	C1243	Impervious (Porcelain) Class P1: ≤ 175 mm	≤ 175 mm
Frost Resistance	C1026	No sample must show alterations to surface	No evidence of Damage
Robinson Test	AC627	As reported	Extra Heavy
Chemical Resistance	C650	No Requirement, Range E - A	Class A
Stain Resistance	C1378	No Requirement, Range E - A	Class A*
DCOF	BOT 3000	≥0.42*	≥0.42-≤0.60*
Aesthetic Classification	Visual Evaluation Shade & texture	No Requirement, Range V0 -V4	V1-V3
Light Reflectance value (L.R.V)	C609	No Requirement, Range 0 -100	10 to 80 depending on style/ color selection

* All values given for Matte or Honed material etc.