

Physical Properties	Test	Industry Standards	Fiandre USA Results Commercial Application	Fiandre USA Commercial Application / High Traffic Material
Water Absorption	ASTM C373	0.5% Maximum	≤ 0.1%	Maze
Size				Designer woods
Calibrated (non rectified)	ASTM C499	• Range of Thickness (inch)	0.040 ≤ 0.040	Shen
	ASTM C499	• Average Facial Dimension	± 0.50% ≤ ± 0.50%	Shellstone
	ASTM C485	• Warpage	± 75% on any edge ≤ ± 0.75%	Uni Color
	ASTM C485	• Warpage	± 50% on diagonal ≤ ± 0.50%	French Clay Floor
	ASTM C502	• Wedging	± 0.50% ≤ ± 0.50%	Metropolis
Rectified	ASTM C499	• Range of Thickness (inch)	0.040 ≤ 0.040	Butcher Block
	ASTM C499	• Average Facial Dimension	± 0.25% ≤ 0.25%	Silk Road
	ASTM C485	• Warpage	± 0.40% on any edge ≤ 0.40%	Nihon
	ASTM C485	• Warpage	± 0.40% on diagonal ≤ 0.40%	New Marmi Honed
	ASTM C502	• Wedging	± 0.25%	New Stone
Bond Strength	ASTM C482	50 psi or greater	> 200 psi	Origins
Deep Abrasion	ASTM C1243	<175 mm ³	<150 mm ³	
Hardness (Mohs scale)		No requirement	≥7	
Frost Resistance (Freeze/Thaw)	ASTM C1026	No sample must show alterations to surface	No cracking or spalling occurred	
Chemical Resistance	ASTM C650	No requirement	Class A	
Breaking Strength	ASTM C648	250 lbf or greater	≥400 lbf	
Coefficient of Friction (static)	ASTM C1028	No requirement	Per collection	
Stain Resistance	ASTM C1378	No requirement	Class A	

Data taken from representative commercial application collection. Individual product testing can be conducted by request.