



Sizes	12"x22" ± 9.5mm	3 1/8"x12 3/8" ± 8.5mm
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		PROPERTY	ASTM TEST METHOD	Porcelain Tile Specification				Native	
				Calibrated		Rectified			
				Minimum	Maximum	Minimum	Maximum		
REGULARITY CHARACTERISTICS		Nominal Size	ASTM C499	-2.00%	2.00%	-2.00%	2.00%	Compliant	Compliant
		Caliber Range (Variation from average facial dimension of sample)		-0.30% or -0.04 in (-1.0 mm) (*)	0.30% or 0.04 in (1.0 mm) (*)	-0.25% or -0.03 in (-0.8 mm) (*)	0.25% or 0.03 in (0.8 mm) (*)	Compliant	Compliant
		Thickness ⁽¹⁾		N/A	Range: 0.031 in (0.79 mm)	N/A	Range: 0.031 in (0.79 mm)	Compliant	Compliant
		Wedging	ASTM C502	-0.40% or -0.05 in (-1.3 mm) (*)	0.40% or 0.05 in (-1.3 mm) (*)	-0.25% or -0.03 in (-0.8 mm) (*)	0.25% or 0.03 in (0.8 mm) (*)	Compliant	Compliant
		Warpage Edge	ASTM C485	-0.30% or -0.04 in (-1.0 mm) (*)	-0.30% or -0.04 in (-1.0 mm) (*)	0.40% or 0.05 in (1.3 mm) (*)	0.40% or 0.05 in (1.3 mm) ⁽²⁾ or 1.8 mm ⁽³⁾ (*)	Compliant	Compliant
Warpage Diagonal		-0.30% or -0.05 in (-1.3 mm) (*)		0.40% or 0.07 in (1.8 mm) (*)	-0.30% or -0.05 in (-1.3 mm) (*)	0.40% or 0.07 in (1.8 mm) (*)	Compliant	Compliant	
				Wall Tiles					
STRUCTURAL CHARACTERISTICS		Water Absorption	ASTM C373	≥ 10.0%				10% - 20%	10% - 20%
BULK MECHANICAL CHARACTERISTICS		Breaking strenght	ASTM C648	Average ≥ 125 lbf. (1.11 kN) Individual ≥ 100 lbf. (0.44 kN)				≥175lbf. avg	≥175lbf. avg
PHISICAL PROPERTIES		Bond Strength	ASTM C482	≥ 50 psi (0.34 Mpa)				≥100 psi	≥100 psi
THERMAL AND IGROMETRIC CHARACTERISTICS		Crazing Resistance	ASTM C424	Pass				Resistant	Resistant
		Thermal Shock Resistance	ASTM C484	Pass					
CHEMICAL CHARACTERISTICS		Chemical Resistance	ASTM C650	As reported				Unaffected	Unaffected
		Stain Resistance	ASTM C1378	As reported				Unaffected	Unaffected

(*) Whichever is less
 (1) May not apply to textured surfaces or tiles with uneven back patterns.
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