



Sizes

12<sup>3</sup>/<sub>8</sub>"x22<sup>1</sup>/<sub>2</sub>"  
± 8.5mm

Porcelain Tile Specification

	PROPERTY	ASTM TEST METHOD	Porcelain Tile Specification				Plaster
			Calibrated		Rectified		
			Minimum	Maximum	Minimum	Maximum	
REGULARITY CHARACTERISTICS		Nominal Size	-2.00%	2.00%	-2.00%	2.00%	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
		Thickness <sup>(1)</sup>	N/A	Range: 0.031 in (0.79 mm)	N/A	Range: 0.031 in (0.79 mm)	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
		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) <sup>(2)</sup> or 1.8 mm <sup>(3)</sup> (*)
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
			Wall Tiles				
STRUCTURAL CHARACTERISTICS		Water Absorption	ASTM C373	≥ 10.0%			10% - 20%
BULK MECHANICAL CHARACTERISTICS		Breaking strength	ASTM C648	Average ≥ 125 lbf. (1.11 kN) Individual ≥ 100 lbf. (0.44 kN)			≥175lbf. avg
PHISICAL PROPERTIES		Bond Strength	ASTM C482	≥ 50 psi (0.34 Mpa)			≥100 psi
THERMAL AND IGROMETRIC CHARACTERISTICS		Crazing Resistance	ASTM C424	Pass			Resistant
		Thermal Shock Resistance	ASTM C484	Pass			
CHEMICAL CHARACTERISTICS		Chemical Resistance	ASTM C650	As reported			Unaffected
		Stain Resistance	ASTM C1378	As reported			Unaffected

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