

Mixtape Collection

Technical features

Product type: Porcelain stoneware – Class P1 (GL)

According to: ANSI A137.1

Technical Characteristics	Test Method (ASTM)	Value required for Porcelain Tile ANSI A137.1		Series Average Values
Water Absorption	ASTM C373	≤ 0.5 %		Conforms
Breaking Strength	ASTM C648	Porcelain	≥ 250 lbf	≥ 350 lbf
Surface abrasion resistance	ASTM C1027	As indicated by manufacturer		PEI 3
Linear Thermal Expansion	ASTM C372	Not Required		$\alpha \leq 4.4 \times 10^{-6} \text{ }^{\circ}\text{F}^{-1}$
Thermal Shock Resistance	ASTM C484	No sample must show visible signs		Conforms
Chemical Resistance	ASTM C650	As indicated by manufacturer		As reported
Stain Resistance	ASTM C1378	As indicated by manufacturer		As reported
Freeze/Thaw Resistance	ASTM C1026	no sample must show visible signs		Conforms
Bond Strength	ASTM C482	≥ 50 PSI (0.34 MPa)		Conforms
Crazing Resistance	ASTM C424	As reported		Conforms
Warpage Edge	ASTM C485	Rectified: max ±0.40% or max ±0.05"up to 24x24"; max ±0.07"for tiles larger than 24x24" Calibrated: max ±0.50% or max ±0.07"		Conforms
Warpage Diagonal	ASTM C485	Rectified: max ±0.40% or max ±0.07" Calibrated: max ±0.50% or max ±0.07"		Conforms
Nominal dimensions	ASTM C485	Rectified: -3.0%/+2.0% of nominal dimensions Calibrated: max ±3.0% of nominal dimensions		Conforms
Caliber range	ASTM C485	Rectified: max ±0.25% or max ±0.03" Calibrated: max ±0.50% or max ±0.08"		Conforms
Wedging	ASTM C502	Rectified: max ±0.25% or max ±0.03" Calibrated: max ±0.50% or max ±0.08"		Conforms
Thickness	ASTM C499	Max range 0.040 inch (1.02 mm)		max ± 0.030 inch
Surface Hardness	Mohs Scale	As reported		7 Mohs
Dynamic Coefficient of Friction (DCOF)	A326.3	Porcelain	A326.3	☒ Matte: Interior, Wet Plus (IW+)
Shade Variation	ANSI A137.1	As indicated by manufacturer		V2 Slight Variation
Flame spread	ASTM E84	-		Class A