

Glazed Porcelain Floor Tile

Technical Specifications

Dimensions & Surface Quality

Technical Characteristics	ASTM Test	Standard	Result
Surface Quality	EN ISO 10545-2 ANSI 5.4.3.2	A minimum of 95 % of tiles examined (total area covered), shall be without visible defects at 1 meter. Tiles to be on a viewing board angled 70+ degrees, with overhead sufficient lighting, as per ANSI: 137.1, ref 9.4.1	Pass
Caliber Range	ASTM C499	Length & Width $\pm 0.25\%$ or 0.4 mm, whichever is less from average facial dimension	Pass
Thickness	ASTM C499	± 1.02 mm	Pass
Dimensionality (Warpage Diagonal)	ASTM C485	$\pm 0.4\%$ or ± 1.8 mm, whichever is less	Pass
Dimensionality (Warpage Edge)	ASTM C485	$\pm 0.4\%$ or 1.3 mm, whichever is less	Pass
Wedging	ASTM C502	$\pm 0.25\%$ or 0.08 mm, whichever is less	Pass

Acacia Tile Inc.

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Physical & Chemical Properties

Technical Characteristics	ASTM Test	Standard	Result
Breaking Strength	ASTM C648	±225 LBF	Pass
Water Absorption	ASTM C373	≤ 0.5%	Pass
Visible Abrasion Resistance	ASTM C1027	Report abrasion class and cycles passed	Pass
Color Uniformity	ASTM C609, ANSI SEC 9.3	VO-3 JUDDS	Pass
Thermal Shock	ASTM C484	Conform	Pass
DCOF	Section 9.6 (ASTM)	As reported: For wet area on ramp: 0.42 ⁵	Pass
Freeze/Thaw	ASTM C1026	Conform	Pass
Crazing Resistance	ASTM C424	Pass steam cycle at 150 psi	Pass
Chemical Resistance	ASTM C650	Conform	Pass
Lead & Cadmium Extracted from Ceramics	ASTM C895	Below 200 PPM	Pass
Stain Resistance	ASTM C1378	Min. class 3	Pass

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