

## Glazed Porcelain Mosaics

### 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 $\pm 5\%$ from average facial dimension	Pass
Thickness	ASTM C499	$\pm 0.76\text{mm}$	Pass
Dimensionality (Warpage Diagonal)	ASTM C485	$\pm 0.75\%$	Pass
Dimensionality (Warpage Edge)	ASTM C485	$\pm 1\%$	Pass
Wedging	ASTM C502	$\pm 2\%$	Pass
Mounting/Crooked Tiles	section 9.5	Individual joint range <30% of the average joint width of the sheet	Pass
Mounting Wide & Narrow Joint	section 9.5	Average joint widths for each tile must be within +/-25% of the average joint width of the sheet	Pass
Color Uniformity	ASTM C609 and section 9.3	LAB values tested via spectrophotometer. 3 Judds maximum tolerance	Pass

**Acacia Tile Inc.**

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### Physical & Chemical Properties

Technical Characteristics	ASTM Test	Standard	Result
Breaking Strength	ASTM C648	225 lb/f (334 kg/m)	Pass
Water Absorption	ASTM C373	≤ 0.5%	Pass
Visible Abrasion Resistance - Glazed only	ASTM C1027	Report abrasion class and cycles passed	Pass
Thermal Shock	ASTM C484	Conform	Pass
DCOF (matte glaze)	Section 9.6 (ASTM)	As reported: For level interior spaces expected to be walked on when wet: 0.42	Pass
Crazing Resistance	ASTM C424	Conform	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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