

Technical Characteristics FENCE Series

ANSI/ASTM Standards

Products: **Sand Mustang, Ash Appaloosa, Rustic Pinto, Country Morgan**

Format (")/thickness (mm): **8"x36"/11**

Sides: **Calibrated (Not rectified)**

Surface: **Glazed (GL)**

Product Group: **Porcelain Tile – P1 Class** (Water Absorption $\leq 0.5\%$)

Technical characteristics	Test method	ANSI A 137.1: Values required for Glazed Porcelain tiles – P1 Class	FENCE Series Values
Water absorption	ASTM C373	$\leq 0.5\%$	Conforms
Breaking strength	ASTM C648	≥ 250 pounds	Conforms
Resistance to surface abrasion	ASTM C1027 (PEI method)	not required	5
Scratch resistance	CTI 81-7 A	not required	7
Chemical Resistance	ASTM C650	not required	Resistant
Stain Resistance	CTI 81-7 D	not required	Resistant
Linear thermal expansion	ASTM C372	not required	$\alpha \leq 8 \cdot 10^{-6} \text{ } ^\circ\text{C}^{-1}$ $\alpha \leq 4.4 \cdot 10^{-6} \text{ } ^\circ\text{F}^{-1}$
Thermal shock resistance	ASTM C484	no sample must show visible signs	Resistant
Crazing resistance	ASTM C424	no sample must show visible signs	Resistant
Frost resistance	ASTM C1026	no sample must show visible signs	Resistant
Bond strength	ASTM C482	≥ 50 PSI	Conforms
Edge warpage	ASTM C485	max $\pm 0.75\%$ or $\pm 0.09''$	Conforms
Diagonal warpage	ASTM C485	max $\pm 0.50\%$ or $\pm 0.08''$	Conforms
Nominal Dimensions	ASTM C499	max $\pm 3.0\%$ of nominal dimensions	max $\pm 1.5\%$
Caliber range	ASTM C499	max $\pm 0.50\%$ or $\pm 0.08''$	Conforms
Thickness	ASTM C499	max ± 0.040 inch	max ± 0.030 inch
Wedging	ASTM C502	max $\pm 0.50\%$ or $\pm 0.08''$	Conforms
Shade Variation	ANSI A137.1	According to manufacturer's statement	V4
Slip resistance	ASTM C1028	COF ≥ 0.60 slip resistant	dry-neolite: COF ≥ 0.60 wet-neolite: COF ≥ 0.60
DCOF (Dynamic Coefficient Of Friction)	ANSI A137.1	DCOF ≥ 0.42 (wet internal environment)	≥ 0.42

