



Technical characteristics Serie BASALTINA STONE PROJECT

Thickness 11 mm

ANSI/ASTM Standards

Products: **NATURALE**

Sizes/Thicknesses (mm): **RECTIFIED 23.6"x23.6"/11; 11.8"x23.6"/11; 23.6"x47.2"/12**

Product group: **Impervious Porcelain Paver Tiles** (Water absorption $\leq 0.5\%$)

Surface: **UNGLAZED (UGL)**

Technical characteristics		Test method	ANSI 137.1: Value required for Unglazed Impervious Porcelain Paver Tiles	BSP NATURALE Values
Water absorption		ASTM C373	$\leq 0.5\%$	$\leq 0.05\%$
Breaking strength		ASTM C648	≥ 250 pounds	Compliant
Deep abrasion resistance		ASTM C1243	Not required	$\leq 145\text{ mm}^3$
Resistance to abrasive wear		ASTM C501	$I_w \geq 100$	$I_w \geq 200$
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
Chemical resistance		ASTM C650	Not required	Resistant
Stain resistance		CTI-T-81 D	Not required	Resistant
Frost resistance		ASTM C1026	No sample must show visible signs	Resistant
Bond strength		ASTM C482	≥ 50 PSI	Compliant
Dimensions	Warpage	ASTM C485	$\leq 1.0\%$ on sides $\leq 0.75\%$ on diagonals	$\leq 0.7\%$ $\leq 0.5\%$
	Dimensions	ASTM C499	$\leq 3.0\%$ of nominal dimensions $\leq 1.5\%$ difference in batch between min/max values	$\leq 2.0\%$ $\leq 0.25\%$
	Thickness	ASTM C499	≤ 0.040 inch difference in batch between min/max thickness	≤ 0.025 inch
	Wedging	ASTM C502	$\leq 1.0\%$	$\leq 0.4\%$
Slip resistance		ASTM C1028	COF < 0.50 questionable $0.50 \leq \text{COF} < 0.60$ conditionally slip resistant COF ≥ 0.60 slip resistant	dry-neolite: ≥ 0.60 wet-neolite: ≥ 0.60