



Technical Characteristics Series MAKO' Thickness 11 mm

ANSI/ASTM Standards

Products: **PAPIRO BIANCO – LINEN BEIGE – YUCCA GRIGIO – CEDAR BRUNO – JAVA SCURO**

Sizes/Thicknesses (mm): **RECTIFIED 23.6"x23.6"/11; 11.8"x23.6"/11; 3.8"x23.6"/11**

Product group: **Impervious Porcelain Paver Tiles** (Water absorption $\leq 0,5$ %)

Surface: **GLAZED (GL)**

Technical characteristics		Test method	ANSI 137.1: Values required for Glazed Impervious Porcelain Paver Tiles	Series MAKO' Values
Water absorption		ASTM C373	≤ 0.5 %	≤ 0.05 %
Breaking strength		ASTM C648	≥ 250 pounds	Compliant
Resistance to surface abrasion		ASTM C1027 (PEI method)	Not required	5 (papiro bianco, linen beige, yucca grigio) 4 (cedar bruno, java scuro)
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	Not required	Resistant
Bond strength		ASTM C482	≥ 50 PSI	Compliant
Dimensions	Warpage Edge	ASTM C485	± 0.40 % or max ± 0.05 inch for tiles up to 24"x24" or max $\pm 0,07$ inch for tiles larger than 24"x24"	Compliant
	Warpage Diagonal	ASTM C485	± 0.40 % or max ± 0.07 inch	Compliant
	Nominal sizes	ASTM C499	-3.0% / +2.0% of nominal dimensions	± 1.50 %
	Caliber range	ASTM C499	± 0.25 % or max ± 0.03 inch	Compliant
	Thickness	ASTM C499	≤ 0.040 inch	≤ 0.030 inch
	Wedging	ASTM C502	± 0.25 % or max ± 0.03 inch	Compliant
Slip resistance		ASTM C1028	COF < 0.50 questionable $0.50 \leq \text{COF} < 0.60$ conditionally slip resistant $\text{COF} \geq 0.60$ slip resistant	dry-neolite: COF ≥ 0.60 wet-neolite: COF ≥ 0.60