

Beyond Taj Mahal

Porcelain tiles



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Size $11\frac{3}{4}'' \times 23\frac{5}{8}''$ $4'' \times 4''$ Thickness ± 9 mm **Finish** Silk, Outdoor **Sensitech**
 $23\frac{5}{8}'' \times 47\frac{1}{4}''$ $23\frac{5}{8}'' \times 23\frac{5}{8}''$ ± 20 mm

V3 MODERATE VARIATION



Field tiles	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	Edge
	12" x 24"	11 ³ / ₄ " x 23 ⁵ / ₈ "	9 mm	Silk	Rectified
	24" x 48"	23 ⁵ / ₈ " x 47 ¹ / ₄ "	9 mm	Silk	Rectified
	Stripes	11 ³ / ₄ " x 23 ⁵ / ₈ "	9 mm	Silk	Rectified
	4" x 4"	3 ¹⁵ / ₁₆ " x 3 ¹⁵ / ₁₆ "	9 mm	Silk	Cut
	Outdoor Paver	23 ⁵ / ₈ " x 23 ⁵ / ₈ "	20 mm	Outdoor Sensitech	Rectified
Mosaics and coordinating trims	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	
	Mosaic 2" x 2"	11 ³ / ₄ " x 11 ³ / ₄ "	9 mm	Silk	Please refer to calibr chart for working size. Close joints are not recommended.
	Star&Cross Mosaic	11" x 11"	9 mm	Silk	
	Bullnose 3" x 24"	2 ⁷ / ₈ " x 23 ⁵ / ₈ "	9 mm	Silk	
	Cove Base 6" x 12"	5 ⁷ / ₈ " x 11 ³ / ₄ "	8.5 mm	Matte	

Property	Test Method	Requirements				
		Calibrated	Rectified			
Regularity characteristics	Nominal Size	$\pm 3.00\%$	$-3.00\% \div +2.00\%$	Compliant		
	Caliber Range	ASTM C499	$\pm 0.50\%$ or ± 0.08 in (± 2.0 mm) (*)	$\pm 0.25\%$ or ± 0.03 in (± 0.8 mm) (*)	Compliant	
	Thickness⁽¹⁾		Range: 0.04 in (1.02 mm)		Compliant	
	Wedging	ASTM C502	$\pm 0.50\%$ or ± 0.08 in (± 2.0 mm) (*)	$\pm 0.25\%$ or ± 0.03 in (± 0.8 mm) (*)	Compliant	
	Warpage Edge	ASTM C485	$\pm 0.75\%$ or ± 0.09 in (± 2.3 mm) (*)	$\pm 0.40\%$ or ± 0.05 in (± 1.3 mm) (*)	Compliant	
Warpage Diagonal	$\pm 0.50\%$ or ± 0.08 in (± 2.0 mm) (*)		$\pm 0.40\%$ or ± 0.07 in (± 1.8 mm) (*)	Compliant		
Structural characteristics	Water Absorption	ASTM C373	$\leq 0.5\%$	$\leq 0.5\%$		
Bulk mechanical characteristics	Breaking Strength	ASTM C648	Silk ± 9	Outdoor Sensitech ± 20	Silk ± 9	Outdoor Sensitech ± 20
			Average ≥ 250 lbf. (1.11 kN) Individual ≥ 225 lbf. (1.00 kN)	≥ 2000 lbf. avg	≥ 350 lbf. avg	≥ 2200 lbf. avg
	Modulus of Rupture	ASTM C1050	Outdoor Sensitech ± 20 5000 psi.	Outdoor Sensitech ± 20 Compliant		
Surface mechanical characteristics	Mohs' Scratch Hardness	C1895	Subject to the project ⁽³⁾	MOHS 7-8: Hard. Suitable for high-traffic residential and light commercial areas.		
Physical properties	Bond Strength	ASTM C482	≥ 50 psi. (0.34 Mpa)	≥ 100 psi.		
Thermal and hygrometric characteristics	Resistance to Freeze/Thaw Cycling	ASTM C1026		Resistant		
	Thermal Shock Resistance	ASTM C484		Resistant		
Chemical characteristics	Chemical Resistance	ASTM C650		Unaffected		
	Stain Resistance	ASTM C1378		Unaffected		
Safety characteristics	Dynamic Coefficient of Friction (DCOF)	ANSI A326.3	Subject to the project ^{(2) (3)}	Silk ± 9 ≥ 0.42 Wet Interior Wet (IW) ⁽²⁾	Outdoor Sensitech ± 20 ≥ 0.60 Wet Exterior Wet (EW) ⁽²⁾	

(*) Whichever is less.
 (1) Whichever is less, for tiles up to 24"x24" (610 mm x 610 mm).
 (2) DCOF ≥ 0.42 Wet may not be a requirement for all projects.
 (3) The specifier shall determine tiles appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations. For updated manufacturer classification according to ANSI A326.3, Section 4 - "Product Use Categories", please refer to our website.

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