

# Beyond Taj Mahal

Porcelain tiles



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

V3 MODERATE VARIATION



Field tiles	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	Edge
	12" x 24"	11 <sup>3</sup> / <sub>4</sub> " x 23 <sup>5</sup> / <sub>8</sub> "	9 mm	Silk	Rectified
	24" x 48"	23 <sup>5</sup> / <sub>8</sub> " x 47 <sup>1</sup> / <sub>4</sub> "	9 mm	Silk	Rectified
	Stripes	11 <sup>3</sup> / <sub>4</sub> " x 23 <sup>5</sup> / <sub>8</sub> "	9 mm	Silk	Rectified
	4" x 4"	3 <sup>15</sup> / <sub>16</sub> " x 3 <sup>15</sup> / <sub>16</sub> "	9 mm	Silk	Cut
	Outdoor Paver	23 <sup>5</sup> / <sub>8</sub> " x 23 <sup>5</sup> / <sub>8</sub> "	20 mm	Outdoor <b>Sensitech</b>	Rectified
Mosaics and coordinating trims	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	
	Mosaic 2" x 2"	11 <sup>3</sup> / <sub>4</sub> " x 11 <sup>3</sup> / <sub>4</sub> "	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 <sup>7</sup> / <sub>8</sub> " x 23 <sup>5</sup> / <sub>8</sub> "	9 mm	Silk	
	Cove Base 6" x 12"	5 <sup>7</sup> / <sub>8</sub> " x 11 <sup>3</sup> / <sub>4</sub> "	8.5 mm	Matte	

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

(\*) Whichever is less.

(1) Whichever is less, for tiles up to 24"x24" (610 mm x 610 mm).

(2) DCOF  $\geq 0.42$  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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