

Liberty

Porcelain tiles



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Size 11³/₄" x 23⁵/₈" Thickness \nless 9 mm Finish Matte

V2 SLIGHT 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	Matte	-
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	Matte	
	Brick Mosaic	11 ² / ₃ " x 11 ² / ₃ "	9 mm	Matte	
	Chevron Mosaic	12 ³ / ₇ " x 7 ³ / ₇ "	9 mm	Matte	
	Honeycomb Mosaic	9 ¹ / ₃ " x 11 ² / ₃ "	9 mm	Matte	
	Bullnose 3" x 24"	2 ⁷ / ₈ " x 23 ⁵ / ₈ "	9 mm	Matte	
	Cove Base 6" x 12"	5 ⁷ / ₈ " x 11 ³ / ₄ "	8.5 mm	Matte	

Please refer to caliber chart for working size. Close joints are not recommended.

			Requirements			
	Property	Test Method	Calibrated	Rectified		
Regularity characteristics		Nominal Size	ASTM C499	±3.00%	-3.00% ÷ +2.00%	Compliant
		Caliber Range		±0.50% or ±0.08 in (±2.0 mm) (*)	±0.25% or ±0.03 in (±0.8 mm) (*)	Compliant
		Thickness ⁽¹⁾		Range: 0.04 in (1.02 mm)		Compliant
	Wedging	ASTM C502	±0.50% or ±0.08 in (±2.0 mm) (*)	±0.25% or ±0.03 in (±0.8 mm) (*)	Compliant	
		Warpage Edge	ASTM C485	±0.75% or ±0.09 in (±2.3 mm) (*)	±0.40% or ±0.05 in (±1.3 mm) (*)	Compliant
		Warpage Diagonal		±0.50% or ±0.08 in (±2.0 mm) (*)	±0.40% or ±0.07 in (±1.8 mm) (*)	Compliant
Structural characteristics	 Water Absorption	ASTM C373	≤ 0.5%		≤ 0.5%	
Bulk mechanical characteristics	 Breaking Strength	ASTM C648	Average ≥ 250 lbf. (1.11 kN) Individual ≥ 225 lbf. (1.00 kN)		≥ 350 lbf. avg	
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⁾		≥ 0.42 Wet Interior Wet (IW) ⁽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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Liberty

Wall tiles



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Size $12\frac{3}{8}" \times 22\frac{1}{2}"$
 $3\frac{1}{8}" \times 12\frac{3}{8}"$

Thickness ± 8.5 mm










Finish Glossy

V2 SLIGHT VARIATION



Field tiles	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	Edge
	12" x 22"	$12\frac{3}{8}" \times 22\frac{1}{2}"$	8.5 mm	Glossy	-
	Brick 3" x 12"	$3\frac{1}{8}" \times 12\frac{3}{8}"$	8.5 mm	Glossy	-
Mosaics and coordinating trims	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	
	Herringbone Wall Mosaic	$12\frac{3}{4}" \times 12\frac{3}{4}"$	8.5 mm	Glossy	
	Prism Wall Mosaic	11" x $13\frac{3}{4}"$	8.5 mm	Glossy	
	Wall Bullnose 2" x 12"	2" x $12\frac{3}{8}"$	8.5 mm	Glossy	

Please refer to caliber chart for working size. Close joints are not recommended.

		Requirements				
		Property	Test Method			
		Calibrated		Rectified		
Regularity characteristics		Nominal Size	ASTM C499	±2.00%		Compliant
		Caliber Range		±0.30% or ±0.04 in (±1.0 mm) (*)	±0.25% or ±0.03 in (±0.8 mm) (*)	Compliant
		Thickness ⁽¹⁾		Range: 0.031 in (0.79 mm)		Compliant
	Wedging	ASTM C502	±0.40% or ±0.05 in (±1.3 mm) (*)	±0.25% or ±0.03 in (±0.8 mm) (*)	Compliant	
		Warpage Edge	ASTM C485	-0.3% ÷ +0.4 or -0.04% ÷ +0.05 in (-1mm ÷ +1.3 mm) (*)		Compliant
		Warpage Diagonal		-0.3% ÷ +0.4 or -0.05% ÷ +0.07 in (-1.3mm ÷ +1.8 mm) (*)		Compliant
Structural characteristics		Water Absorption	ASTM C373	≤ 10.0%		10.0% - 20.0%
Bulk mechanical characteristics		Breaking Strength	ASTM C648	Average ≥ 125 lbf. (1.11 kN) Individual ≥ 100 lbf. (0.44 kN)		≥ 175 lbf. avg
Physical properties		Bond Strength	ASTM C482	≥ 50 psi. (0.34 Mpa)		≥ 100 psi.
Thermal and hygrometric characteristics		Crazing Resistance	ASTM C424			Resistant
		Thermal Shock Resistance	ASTM C484			Resistant
Chemical characteristics		Chemical Resistance	ASTM C650			Unaffected
		Stain Resistance	ASTM C1378			Unaffected

(*) Whichever is less

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

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