

Eon

Porcelain tiles



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Size $11\frac{3}{4}" \times 23\frac{5}{8}"$ Thickness $\nless 9$ mm Finish Matte

V2 SLIGHT VARIATION



Field tiles	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	Edge
	12" x 24"	$11\frac{3}{4}" \times 23\frac{5}{8}"$	9 mm	Matte	-
Mosaics and coordinating trims	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	
	Mosaic 2" x 2"	$11\frac{3}{4}" \times 11\frac{3}{4}"$	9 mm	Matte	
	Herringbone Mosaic	$14\frac{5}{8}" \times 11\frac{1}{8}"$	9 mm	Matte	
	Honeycomb Mosaic	$9\frac{1}{3}" \times 11\frac{2}{3}"$	9 mm	Matte	
	Bullnose 3" x 24"	$2\frac{7}{8}" \times 23\frac{5}{8}"$	9 mm	Matte	
	Cove Base 6" x 12"	$5\frac{7}{8}" \times 11\frac{3}{4}"$	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	±3.00%	-3.00% ÷ +2.00%
	Caliber Range	ASTM C499 ±0.50% or ±0.08 in (±2.0 mm) (*)	±0.25% or ±0.03 in (±0.8 mm) (*)
	Thickness ⁽¹⁾	Range: 0.04 in (1.02 mm)	
	Wedging	ASTM C502 ±0.50% or ±0.08 in (±2.0 mm) (*)	±0.25% or ±0.03 in (±0.8 mm) (*)
	Warpage Edge	ASTM C485 ±0.75% or ±0.09 in (±2.3 mm) (*)	±0.40% or ±0.05 in (±1.3 mm) (*)
	Warpage Diagonal	±0.50% or ±0.08 in (±2.0 mm) (*)	±0.40% or ±0.07 in (±1.8 mm) (*)
Structural characteristics	Water Absorption	ASTM C373	≤ 0.5%
Bulk mechanical characteristics	Breaking Strength	ASTM C648	Average ≥ 250 lbf. (1.11 kN) Individual ≥ 225 lbf. (1.00 kN)
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)
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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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	
	Brick Mosaic	12" x 13"	8.5 mm	Glossy	
	Listello	$3\frac{1}{8}" \times 12\frac{3}{8}"$	8.5 mm	Glossy	
	Wall Bullnose 2" x 12"	$2" \times 12\frac{3}{8}"$	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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