

Hero

Porcelain tiles

Size 113/4" x 235/8" 23/4" x 113/4" Thickness $\nless 9$ mm Finish Matte, Outdoor [Sensitech](#)

235/8" x 471/4" 235/8" x 235/8" $\nless 20$ mm

V2 SLIGHT VARIATION

Field tiles	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	Edge
	12" x 24"	113/4" x 235/8"	9 mm	Matte	-
	24" x 48"	235/8" x 471/4"	9 mm	Matte	Rectified
	2" x 12"	23/4" x 113/4"	9 mm	Matte	-
	Outdoor Paver	235/8" x 235/8"	20 mm	Outdoor Sensitech	-
Mosaics and coordinating trims	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	Please refer to caliber chart for working size. Close joints are not recommended.
	Mosaic 2" x 2"	113/4" x 113/4"	9 mm	Matte	
	Linear Mosaic	112/3" x 112/3"	9 mm	Matte	
	Bullnose 3" x 24"	27/8" x 235/8"	9 mm	Matte	
	Cove Base 6" x 12"	57/8" x 113/4"	8.5 mm	Matte	

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		"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	Matte $\nless 9$ Average ≥ 250 lbf. (1.11 kN) Individual ≥ 225 lbf. (1.00 kN)	OutdoorSensitech $\nless 20$ ≥ 2000 lbf. avg	Matte $\nless 9$ ≥ 350 lbf. avg	OutdoorSensitech $\nless 20$ ≥ 2200 lbf. avg
		Modulus of Rupture	ASTM C1050	OutdoorSensitech $\nless 20$ 5000 psi.		OutdoorSensitech $\nless 20$ 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			Unaffec ted	
		Stain Resistance	ASTM C1378			Unaffec ted	
						Matte $\nless 9$	OutdoorSensitech $\nless 20$
Safety characteristics		Dynamic Coefficient of Friction (DCOF)	ANSI A326.3	Subject to the project ⁽²⁾ ⁽³⁾		≥ 0.42 Wet Interior Wet (IW) (2)	≥ 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. For more details please see the catalogue or visit [atlasconcordeusa.com](#)
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