



Glazed
Porcelain
Tiles



Compliant with standards ANSI A137.1-2012



SIZE
11 3/4" x 23 5/8" - 30 x 60 cm

THICKNESS
± 8 mm

FINISH
matte

V2 SLIGHT VARIATION
Clearly distinguishable differences in texture and/or pattern within similar colors.

V3 MODERATE VARIATION
While the colors and/or texture present on a single piece of tile will be indicative of the colors and/or texture to be expected on the other tiles, the amount of colors and/or texture on each piece may vary significantly. It is recommended that the range be viewed before selection.

FIELD TILES	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	Rectified edge
Available in all colors	12" x 24"	11 3/4" x 23 5/8"	8 mm	Matte	-
MOSAICS AND COORDINATING TRIMS	Commercial size (in)	Nominal size (in)	Thickness (mm)	Finish	
Available in all colors	Mosaic 2" x 2"	11 3/4" x 11 3/4"	8 mm	Matte	Please refer to caliber chart for work sizes. Close joints are not recommended.
	Bullnose 3" x 24"	2 7/8" x 23 5/8"	8 mm	Matte	

PERFORMANCE & FEATURES

	PROPERTY	ASTM TEST METHOD	PORCELAIN TILE SPECIFICATION				
			Calibrated		Rectified		
			Minimum	Maximum	Minimum	Maximum	
REGULARITY CHARACTERISTICS	Nominal Size	ASTM C499	-3.00%	3.00%	-3.00%	2.00%	Compliant
	Caliber Range (Variation from average facial dimension of sample)		-0.50% or -0.08 in (-2.0 mm) (*)	0.50% or 0.08 in (2.0 mm) (*)	-0.25% or -0.03 in (-0.8 mm) (*)	0.25% or 0.03 in (0.8 mm) (*)	Compliant
	Thickness ⁽¹⁾		N/A	Range: 0.40 in (1.02 mm)	N/A	Range: 0.40 in (1.02 mm)	Compliant
	Wedging	ASTM C502	-0.50% or -0.08 in (-2.0 mm) (*)	0.50% or 0.08 in (2.0 mm) (*)	-0.25% or -0.03 in (-0.8 mm) (*)	0.25% or 0.03 in (0.8 mm) (*)	Compliant
	Warpage Edge	ASTM C485	-0.75% or -0.09 in (-2.3 mm) (*)	0.75% or 0.09 in (2.3 mm) (*)	-0.40% or -0.05 in (-1.3 mm) ⁽²⁾ or -1.8 mm ⁽³⁾ (*)	0.40% or 0.05 in (1.3 mm) ⁽²⁾ or 1.8 mm ⁽³⁾ (*)	Compliant
	Warpage Diagonal		-0.50% or -0.08 in (-2.0 mm) (*)	0.50% or 0.08 in (2.0 mm) (*)	-0.40% or -0.07 in (-1.8 mm) (*)	0.40% or 0.07 in (1.8 mm) (*)	Compliant
ALL PORCELAIN TILES							
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)			Compliant	
SURFACE MECHANICAL CHARACTERISTICS	Surface Abrasion Resistance	ASTM C1027	As Reported			Class IV	
THERMAL AND IGROMETRIC CHARACTERISTICS	Resistance to Freeze/Thaw Cycling	ASTM C1026	As Reported			Resistant	
CHEMICAL CHARACTERISTICS	Chemical Resistance	ASTM C650	As Reported			Unaffected	
	Stain Resistance	ASTM C1378	As Reported			Unaffected	
SAFETY CHARACTERISTICS	Dynamic coefficient of friction	DCOF	Requires a minimum value of 0.42 for commercial areas that are likely to be wet			> 0.42 Wet	

(*) Whichever is less
(1) May not apply to textured surfaces or tiles with uneven back patterns.
(2) Whichever is less, for tiles up to 24"x24" (610 mm x 610 mm).
(3) Applies to tiles larger than 24"x24" (610 mm x 610 mm).

For more details please see the catalogue or visit atlasconcordeusa.com
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