

IMPERO Floor

COLORED BODY PORCELAIN TILES

Rectified Edge












11^{3/4"}x23^{5/8"} 30x60 cm \pm 8 mm
 11^{3/4"}x23^{5/8"} 30x60 cm \pm 9 mm
 23^{5/8"}x23^{5/8"} 60x60 cm \pm 9 mm

Finish | Matte
 Polished



This tiles complies recommended standard specifications for ceramics tiles ANSI A.137.1.

				Porcelain Tile Specification					
		PROPERTY	ASTM TEST METHOD	Calibrated		Rectified		IMPERO	
				Minimum	Maximum	Minimum	Maximum	Matte	Polished
REGULARITY CHARACTERISTICS		Nominal Size	ASTM C499	-3.00%	3.00%	-3.00%	2.00%	Compliant	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	Compliant
		Thickness (1)		N/A	Range: 0.40 in (1.02 mm)	N/A	Range: 0.40 in (1.02 mm)	Compliant	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	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	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	Compliant
All Porcelain Tiles									
STRUCTURAL CHARACTERISTICS		Water Absorption	ASTM C373	≤ 0.5%				≤ 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	≥ 350 lbf. avg
PHYSICAL PROPERTIES		Bond Strength	ASTM C482	≥ 50 psi (0.34 Mpa)				≥ 100 psi	≥ 100 psi
THERMAL AND IGROMETRIC CHARACTERISTICS		Resistance to Freeze/Thaw Cycling	ASTM C1026	As Reported				Resistant	Resistant
CHEMICAL CHARACTERISTICS		Chemical Resistance	ASTM C650	As Reported				Unaffected	Unaffected
		Stain Resistance	ASTM C1378	As Reported				Unaffected	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	< 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).