

Technical Sheet

Series: **300°**

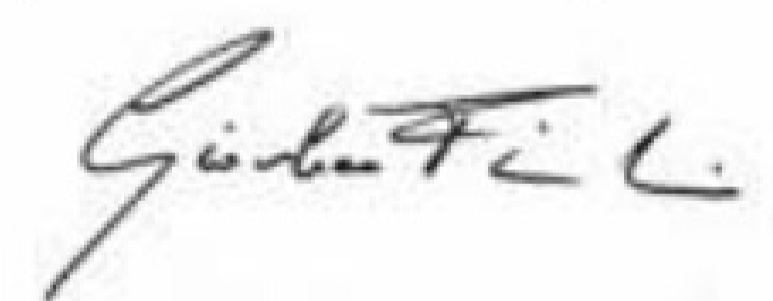
ANSI A137.1-2012 standards Porcelain tiles with low water absorption Class P1.

Technical feature	Standard Method	Requirements	Emilceramica Values
CALIBER RANGE - Rectified	ASTM C499	± 0.25% or 0.03 in (0.8 mm) ¹	± 0.20%
THICKNESS ²		Range: ± 0.04 inch (1.02 mm)	COMPLIANT
WEDGING - Rectified	ASTM C502	± 0.25% or 0.03 in (0.8 mm) ¹	± 0.15%
WARPAGE EDGE - Rectified	ASTM C485	± 0.40% or 0.05 in (1.3 mm) ³ or 1.8 mm ⁴	±0.25%
BREAKING STRENGTH	ASTM C648	Average ≥ 250 lbf. (1.11 kN)/ Individual ≥ 225 lbf. (1.00 kN)	COMPLIANT
WATER ABSORPTION	ASTM C373	≤ 0.50%	COMPLIANT
THERMAL SHOCK ⁵	ASTM C484	PASS	PASS
RESISTANCE TO FREEZE/TAU CYCLING ⁶	ASTM C1026	AS REPORTED	NO DAMAGE
VISIBLE ABRASION RESISTANCE ⁵	ASTM C1027-99	AS REPORTED	<ul style="list-style-type: none"> • Dark colors: II - III • Medium colors: IV • Light colors: V
CHEMICAL RESISTANCE	ASTM C650	AS REPORTED	NOT AFFECTED
STAIN RESISTANCE	ASTM C1378 CTI81-7D	AS REPORTED	NOT AFFECTED
WET DYNAMIC COEFFICIENT OF FRICTION	section 9.6	0.42 ⁷	> 0.50

Fiorano Modenese, 13/01/2017

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¹ Whichever is less.

² May not apply to textured surfaces or tiles with uneven back patterns.

³ Whichever is less, for tiles up to 24" x 24" (610 mm x 610 mm)

⁴ Applies to tiles larger than 24" x 24" (610 mm x 610 mm)

⁵ Glazed tile only.

⁶ When installation subject to freeze/thaw conditions.

⁷ For Level interior spaces expected to be walked upon when wet (see Section 6.2.2.1.10)