

Series: 99 VOLTE

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

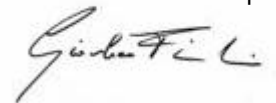
Technical feature	Standard Method	Requirements	Emilceramica Values	
CALIBER RANGE - Rectified	ASTM C499	$\pm 0.25\%$ or 0.03 in (0.8 mm) ¹	$\pm 0.20\%$	
THICKNESS²		Range: ± 0.04 inch (1.02 mm)	COMPLIANT	
WEDGING - Rectified	ASTM C502	$\pm 0.25\%$ or 0.03 in (0.8 mm) ¹	$\pm 0.15\%$	
WARPAGE EDGE - Rectified	ASTM C485	$\pm 0.40\%$ or 0.05 in (1.3 mm) ³ or 1.8 mm ⁴	$\pm 0.25\%$	
BREAKING STRENGTH	ASTM C648	Average ≥ 250 lbf. (1.11 kN)/ Individual ≥ 225 lbf. (1.00 kN)	COMPLIANT	
WATER ABSORPTION	ASTM C373	$\leq 0.50\%$	COMPLIANT	
THERMAL SHOCK⁵	ASTM C484	PASS	PASS	
RESISTANCE TO FREEZE/TAW CYCLING⁶	ASTM C1026	AS REPORTED	NO DAMAGE	
RESISTANCE TO DEEP ABRASION	ASTM C1243	Max value (loss in mm ³) : 175	COMPLIANT	
CHEMICAL RESISTANCE	ASTM C650	AS REPORTED	NOT AFFECTED	
STAIN RESISTANCE	ASTM C1378 CTI81-7D	AS REPORTED	NOT AFFECTED	
DINAMIC COEFFICIENT OF FRICTION	section 9.6	0.42⁷	Dry 0.88 *	Wet 0.78 *

* Tests executed on the item 809U4R shade 480

Fiorano Modenese, September 22nd, 2014

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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)