

TILE INSTITUTE of AMERICA

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Tile: **Unglazed** Series, color "UG-10" **Slate Blue** porcelain body unglazed.
Nominal size: 2" x 2" x 1/4" (1.885" x 1.885" x 0.225"). Tile made in China.

Conditions: New tiles sent to TILE INSTITUTE of AMERICA in sealed manufacturer's boxes from client above and selected at random.

WATER ABSORPTION (ASTM C 373)

Standard Test Method for Water Absorption of Ceramic Tile. This method provides the means for establishing measurement of water absorption, bulk density, apparent porosity, and apparent specific gravity for determining the degree of maturation of a ceramic body, or for determining structural properties, which may be required in tile specifications. Tiles were dried to a constant weight in an oven at 150°C, then cooled and weighed. Then were immersed in distilled water (boiled vigorously for 5 hours before cooling gradually to a total elapsed time of 29 hours). Tiles were removed from water, wiped dry and immediately reweighed.

Tile Number	Dried Weight (g.)	Saturated Mass (g.)	Percentage Results
1	57.81	57.85	0.07%
2	58.93	58.97	0.07%
3	58.66	58.70	0.07%
4	57.97	58.00	0.05%
5	58.38	58.44	0.10%

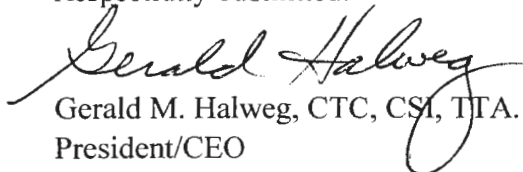
Average

0.07%

Identification: Impervious

Requirements: When tested as described. ANSI A 137.1 General classification for Water Absorption: Impervious tile have 0.5% or less water absorption, Vitreous more than 0.5% but not more than 3.0%, Semi-vitreous more than 3% but not more than 7.0%, Non-vitreous more than 7.0%.

Respectfully Submitted:


Gerald M. Halweg, CTC, CSI, TTA.
President/CEO

Date: 11-12-2014