



# TILE INSTITUTE of AMERICA

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Tile: **Tahitian Series**, color blue/dark grey "TH-688" **Midnight** porcelain body glazed.

Nominal size: 6" x 6" x 1/4". 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. New tile were cleaned per specification prior to testing.

### **TEST: BREAKING STRENGTH (ASTM C 648)**

Standard Test Method for Breaking Strength of Ceramic Tile. This method provides the means for establishing whether or not this tile meets the strength requirements, which may appear in tile specifications.

Tile strength is the force in pounds-force (or Newton's), as read from the pressure gauge, necessary to cause the tile to break. The load was applied at the rate of 1000 lbf/min. The tile samples were placed on a test fixture having three (3) supports located in a circle three and fifteen-thirty-secondths (3 15/32) inches in diameter with the load applied at the center as per specifications.

<u>Sample Number</u>	<u>Breaking Load Pounds (lbs)</u>	
1	263	
2	260	
3	256	
4	257	
5	250	
6	261	
7	278	
8	265	
9	255	
10	260	
<b>AVERAGE:</b>	<b>260.5</b>	<b>RESULT:</b>
		<b>PASSED</b>

**Requirements:** ANSI A 137.1 (General) Breaking Strength. When tested as described in ASTM C 648, the average breaking strength for glazed wall tile shall be 90 and for glazed paver tile 250 pounds or greater.

Respectfully Submitted:

*Gerald Halweg*  
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President/CEO

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