

## TILE INSTITUTE of AMERICA

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TIA's Client: 20140815

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Tile: **Tahitian** Series, color "TH-645" **Stone Blue** 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.

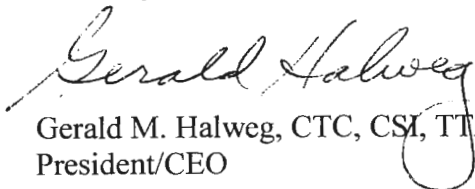
### Thermal Shock Resistance of Ceramic Tile (ASTM C484)

**Procedure:** This test method is a procedure for determining whether ceramic tiles are affected by prolonged exposure to high temperature and rapidly cooled to typical room temperature. The procedure is to place tiles into an oven maintained at a temperature of  $293 \pm 9^\circ \text{F}$  ( $145 \pm 5^\circ \text{C}$ ) and supported face up in a manner that the glazed surface of each tile is freely exposed to the oven atmosphere. After 30 minutes, the tiles are removed and put face up quickly onto a sheet of aluminum maintained at a room temperature of  $75 \pm 5^\circ \text{F}$  ( $24 \pm 3^\circ \text{C}$ ). After 15 minutes, the tiles are inspected for shivering or any other type of disintegration. The process was repeated five times.

<u>Specimens</u>	<u>Results</u>
1.	Not affected
2.	Not affected
3.	Not affected
4.	Not affected
5.	Not affected

Test Results: Pass

Sincerely,

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

Date: 11-7-2014