

## TILE INSTITUTE of AMERICA

1262 Bouquet Circle, Thousand Oaks, California 91362 Telephone: (805) 371-T1LE (8453) Facsimile: (805) 371-8455

TIA's Client: 20140815

AquaBella/Main Street Art, Inc. Mr. Brian L. Streadbeck 450 South Alpine Highway Alpine, Utah 84004

Telephone: (714) 264-8269 Facsimile: (714) 685-0465

brian@msagallery.com

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.

## Resistance of Ceramic Tile to Chemical Substances (ASTM C650)

**Procedure:** This test method covers a procedure for determining whether, and to what degree, ceramic tiles are affected by prolonged exposure to chemical substances. The temperature was controlled at 75±5 ° **F** (24±3 ° C) with an exposure time of 24 hours.

Specimens	Substance	Temperature, °F (°C)	Time, hours	Results
1.	10% Hydrochloric Acid	$75\pm 5 (24\pm 3)$	24	Not affected
1.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Not affected
2.	10% Hydrochloric Acid	$75\pm 5 (24\pm 3)$	24	Not affected
2.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Not affected
3.	10% Hydrochloric Acid	$75\pm 5 (24\pm 3)$	24	Not affected
3.	10% Potassium Hydroxide	$75\pm 5 (24 \pm 3)$	24	Not affected
4.	10% Hydrochloric Acid	$75\pm 5 (24\pm 3)$	24	Not affected
4.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Not affected
5.	10% Hydrochloric Acid	$75\pm 5 (24\pm 3)$	24	Not affected
5.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Not affected
6.	10% Hydrochloric Acid	$75\pm 5 (24 \pm 3)$	24	Not affected
6.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Not affected
7.	10% Hydrochloric Acid	$75\pm 5 (24\pm 3)$	24	Not affected
7.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Not affected
8.	10% Hydrochloric Acid	$75\pm 5 (24 \pm 3)$	24	Not affected
8.	10% Potassium Hydroxide	$75\pm 5 (24 \pm 3)$	24	Not affected
9.	10% Hydrochloric Acid	$75\pm 5 (24 \pm 3)$	24	Not affected
9.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Not affected
10.	10% Hydrochloric Aeid	$75\pm 5 (24\pm 3)$	24	Not affected
10.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Notaffected
11.	10% Hydrochloric Acid	$75\pm 5 (24 \pm 3)$	24	Not affected
11.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Not affected
12.	10% Hydrochloric Acid	$75\pm 5 (24 \pm 3)$	24	Not affected
12.	10% Potassium Hydroxide	$75\pm 5 (24\pm 3)$	24	Not affected
		Test Results: Pass		

Sincerely,

Gerald M. Halweg, CTC, QSI, TTA.

President/CEO of TILE IN STITUTE of AMERICA

Date: 11-1-2-014