

TILE INSTITUTE of AMERICA

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

Client/Test Number: **20160415**

Telephone: **(714) 264-8269**
brian@msagallery.com

Tile: **Monet Series**, streaked multi-colored "**MS-1286 Sailboat**" glass body, mesh back mounted.
 Nominal size: 1" x 2" x ¼" Pattern. **Smooth surface**. 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.

COEFFICIENT OF FRICTION TEST STANDARD: ASTM C 1028

Standard Test Method for Evaluating the static Coefficient of Friction of Ceramic

Tile or other like surfaces by the Horizontal Dynamometer Pull Meter Method.

Neolite assemblies. Neolite is a registered trademark of the Goodyear Tire and Rubber Co., Shoe Product Division, Windsor, VT.

Color: Natural 11, RMA Spec. #HS-3, 6 irons, Specific Gravity 1.27 ± 0.02, Hardness Shore "A" 93-96.

Neolite sole/heel material is a good representative for most types of heel/sole material commonly worn on shoes today.

Test	Test Assembly	Tile #	North	East	South	West	Average	COF/Fc
1	Dry Neolite	1	25	25	26	25	25.25	0.50
2	Dry Neolite	2	25	25	25	26	25.25	
3	Dry Neolite	3	25	25	25	24	24.75	
4	Wet Neolite	1	16	15	15	15	15.25	0.31
5	Wet Neolite	2	16	16	16	15	15.75	
6	Wet Neolite	3	15	16	15	15	15.25	

Requirements:

The **TILE INSTITUTE of AMERICA** recognizes 0.50 or greater as providing non-hazardous walkway for zero to 2 percent sloped surfaces.

Underwriters Laboratories had listed COF of 0.50 or higher when dry as slip-resistant.

ASTM F 2047 test method (Laboratory use only) had been reporting 0.50 or greater as slip-resistant surface.

The US National Bureau of Standards had accepted a static COF of 0.50 or higher as adequate for pedestrian safety.

Verify slip-resistant requirements from your local Jurisdiction and/or Municipalities for minimum COF.

US Army adopted 0.50 as the minimum value for wet walking surfaces.

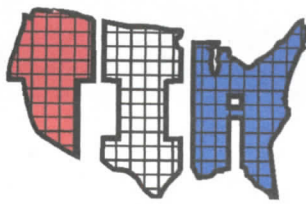
ANSI A1264.2 published 0.50 as a threshold of safety for walking surfaces.

Verify slip-resistant requirements from your local Jurisdiction and/or Municipalities for minimum COF requirements.

Date: June 10, 2016

Tests Conducted By:

Gerald Halweg
 Gerald M. Halweg, CTC, CSI. President



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TIA's Client: 20160415

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: **Monet Series, streaked multi-colored "MS-1286 Sailboat" glass body**, mesh back mounted.
Nominal size: 1" x 2" x 1/4". Tile made in China.

Conditions: New tiles sent to TILE INSTITUTE of AMERICA from client above and selected at random.

Resistance of Tile to Chemical Substances (ASTM C650)

Procedure: This test method covers a procedure for determining whether, and to what degree, 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±5 (24 ± 3)	24	Not affected
1.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
2.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
2.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
3.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
3.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
4.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
4.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
5.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
5.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
6.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
6.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
7.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
7.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
8.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
8.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
9.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
9.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
10.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
10.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
11.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
11.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected
12.	10% Hydrochloric Acid	75±5 (24 ± 3)	24	Not affected
12.	10% Potassium Hydroxide	75±5 (24 ± 3)	24	Not affected

Test Results: **Pass**

Sincerely,

Gerald M. Halweg, CTC, CSI, TTA.
President/CEO of TILE INSTITUTE of AMERICA

Date: June 8, 2016