



# TILE INSTITUTE of AMERICA

1262 Bouquet Circle, Thousand Oaks, California 91362 Telephone: (805) 371-TILE (8453) Facsimile: (805) 371-8453  
23825 15<sup>th</sup> Avenue SE #110, Bothell, Washington 98021 240 Makee Road, Suite PH-A, Honolulu, Hawaii 96815  
[DoctorTile@aol.com](mailto:DoctorTile@aol.com) [DoctorTile1@gmail.com](mailto:DoctorTile1@gmail.com) (805) 444-8453

TIA's Client: 20201228 BS

**Aquabella USA, LLC**  
**Mr. Brian L. Streadbeck**  
**450 South Alpine Highway**  
**Alpine, Utah 84004**

Telephone: (833) 985-2955  
[info@aquabellatile.com](mailto:info@aquabellatile.com)

Tile: **Harmony Series**

HM-106 - COBALT BLUE 1X1	HM-141 - BAHAMAS BLUE 1X1	HM-210 - ROYAL BLUE 2X2	HM-310 - SAPPHIRE 3X3
HM-109 - BLACK 1X1	HM-143 - ALT BLUE 1X1	HM-213 - TERRA BLUE 2X2	HM-313 - TERRA BLUE 3X3
HM-110 - ROYAL BLUE 1X1	HM-144 - PACIFIC BLUE 1X1	HM-220 - ELECTRIC BLUE 2X2	HM-320 - ELECTRIC BLUE 3X3
HM-113 - TERRA BLUE 1X1	HM-145 - MALIBU BLUE 1X1	HM-305 - MARBLED BLUE 3X3	HM-340 - NAVY BLUE 3X3
HM-120 - ELECTRIC BLUE 1X1	HM-205 - MARBLED BLUE 2X2	HM-306 - COBALT BLUE 3X3	RM-130 - BISCAYNE BAY 1X1
HM-124 - SKY BLUE 1X1	HM-206 - COBALT BLUE 2X2	HM-105 - MARBLED BLUE 1X1	RM-132 - BLUE PEARL 1X1
HM-140 - NAVY BLUE 1X1	HM-209 - BLACK 2X2	HM-309 - BLACK 3X3	

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

The tiles were bonded between concrete units and bonding mortar with latex-modified thin set mortar.

Specification: ASTM C 482

## Report of Test


### ADHESION BOND SHEAR STRENGTH (\*ASTM C 482)

Standard Test Method for Bond Strength of Ceramic Tile. This method provides the means for establishing whether or not this tile can be bonded with adequate strength to Portland cement, which may appear in tile specifications. Tile bond adhesion strength is the force in pounds-force (or Newton's), as read from the pressure gauge, necessary to cause the tile's bond to shear. The load was applied at the rate of 1000 lbf/min. The tile samples were placed on a test fixture as per specifications after curing for 28 days. \*Modified by using a Latex-modified thin set mortar bond coat complying with ANSI A108.4 as identified versus pure cement.

**Requirements:** ANSI A 137.1 (General) Bond Strength. When tested as described in ASTM C 482, the average bond strength shall be 50 pounds per square inch or greater. The UBC requires a shearing stress of 50 psi. The DSA/SS & OSHPD 1 requires 50 psi and bond strength of 100 psi. The tile types and categories listed above yielded test values greater than Industry's requirements.

Test Results: **Passed**

Sincerely,

A handwritten signature in cursive script that reads "Gerald M. Halweg". The signature is written in black ink and is positioned above the typed name and title.

Gerald M. Halweg, CTC, CSI, FTA. Date: July 1, 2021  
President/CEO of TILE INSTITUTE of AMERICA