



TILE INSTITUTE of AMERICA

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

Tile: **Lakes Series**

LAKES - HAVASU 6X6	LAKES - HAVASU 1X2	LAKES - HAVASU 6X6 SBN
LAKES - SHASTA 6X6	LAKES - SHASTA 1X2	LAKES - SHASTA 6X6 SBN
LAKES - TAHOE 6X6	LAKES - TAHOE 1X2	LAKES - TAHOE 6X6 SBN

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

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