



# TILE INSTITUTE of AMERICA

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Tile: **Abyss Series**

AY-620 - PORT ROYAL 6X6	AY-220 - PORT ROYAL 2X2	AY-620 SBN - PORT ROYAL 6X6 S	AY-620 DECO - PORT ROYAL 6X6
AY-621 - ATLANTIS 6X6	AY-221 - ATLANTIS 2X2	AY-621 SBN - ATLANTIS 6X6 S	AY-621 DECO - ATLANTIS 6X6
AY-622 - THONIS 6X6	AY-222 - THONIS 2X2	AY-622 SBN - THONIS 6X6 S	AY-622 DECO - THONIS 6X6
AY-623 - ALEXANDRIA 6X6	AY-223 - ALEXANDRIA 2X2	AY-623 SBN - ALEXANDRIA 6X6 S	AY-623 DECO - ALEXANDRIA 6X6
AY-624 - TIKAL 6X6	AY-224 - TIKAL 2X2	AY-624 SBN - TIKAL 6X6 S	AY-624 DECO - TIKAL 6X6

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, TTA. Date: July 1, 2021  
President/CEO of TILE INSTITUTE of AMERICA