



# TILE INSTITUTE of AMERICA

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## Tile: Italian Slate Series

IS-634 - SAN MARINO 6X6	IS-234 - SAN MARINO 2X2	IS-634 SBN - SAN MARINO 6X6 S	IS-634 DECO - SAN MARINO 6X6 D
IS-635 - MILAN 6X6	IS-235 - MILAN 2X2	IS-635 SBN - MILAN 6X6 S	IS-635 DECO - MILAN 6X6 D
IS-637 - NAPLES 6X6	IS-237 - NAPLES 2X2	IS-637 SBN - NAPLES 6X6 S	IS-637 DECO - NAPLES 6X6 D
IS-638 - FIRENZE 6X6	IS-238 - FIRENZE 2X2	IS-638 SBN - FIRENZE 6X6 S	IS-638 DECO - FIRENZE 6X6 D

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