



TILE INSTITUTE of AMERICA

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TIA's Client: 20201228 BS

Aquabella USA, LLC
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Tile: **Aurora Borealis Series**

AB-1110 - CRYSTAL 1X1	AB-1210 - CRYSTAL 1X2	AB-2210 - CRYSTAL 2X2
AB-1111 - MARVEL 1X1	AB-1211 - MARVEL 1X2	AB-2211 - MARVEL 2X2
AB-1112 - MYSTIC 1X1	AB-1212 - MYSTIC 1X2	AB-2212 - MYSTIC 2X2
AB-1113 - MAGIC 1X1	AB-1213 - MAGIC 1X2	AB-2213 - MAGIC 2X2
AB-1114 - WONDER 1X1	AB-1214 - WONDER 1X2	AB-2214 - WONDER 2X2

Conditions: New tiles were sent to TILE INSTITUTE of AMERICA in sealed manufacturer's boxes from client above and selected at random. Specification: ASTM C 648

Source: Tiles submitted by Client to Laboratory and selected at random from unopened containers.

Report of Test

BREAKING STRENGTH (ASTM C 648)

Standard Test Method for Breaking Strength of Ceramic Tile. This method provides the means for establishing whether or not this tile meets the strength requirements, which may appear in tile specifications. Tile strength is the force in pounds-force (or Newton's), as read from the pressure gauge, necessary to cause the tile to break. The load was applied at the rate of 1000 lbf/min. The tile samples were placed on a test fixture having three (3) supports located in a circle three and fifteen-thirty-seconds (3 15/32) inches in diameter with the load applied at the center as per specifications.

Requirements: ANSI A 137.1 (General) Breaking Strength. When tested as described in ASTM C 648, the average breaking strength for glazed wall tile shall be 90 and for glazed paver tile 250 pounds or greater.

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