



# TILE INSTITUTE of AMERICA

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TIA's Client: 20201228 BS

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Tile: **Fjord Series**

FJ-1160 - SERENE 1X1	FJ-1199 - MISTY 1X1	FJ-1298 - SILENT 1X2
FJ-1161 - TRANQUIL 1X1	FJ-1260 - SERENE 1X2	FJ-1299 - MISTY 1X2
FJ-1162 - GRAND 1X1	FJ-1261 - TRANQUIL 1X2	FJ-893 - PEACEFUL BLOCK RANDOM
FJ-1193 - PEACEFUL 1X1	FJ-1262 - GRAND 1X2	FJ-897 - MAJESTIC BLOCK RANDOM
FJ-1197 - MAJESTIC 1X1	FJ-1293 - PEACEFUL 1X2	FJ-898 - SILENT BLOCK RANDOM
FJ-1198 - SILENT 1X1	FJ-1297 - MAJESTIC 1X2	FJ-899 - MISTY BLOCK RANDOM

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