



# TILE INSTITUTE of AMERICA

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BS

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Tile: **Cascade Series**

|                        |                        |                            |                            |
|------------------------|------------------------|----------------------------|----------------------------|
| CS-291 - LAGOON 2X2    | CS-691 - LAGOON 6X6    | CS-691 DECO - LAGOON 6X6   | CS-691 SBN - LAGOON 6X6    |
| CS-292 - WATERFALL 2X2 | CS-692 - WATERFALL 6X6 | CS-692 DECO - WATERFALL    | CS-692 SBN - WATERFALL 6X6 |
| CS-293 - RIDGE 2X2     | CS-693 - RIDGE 6X6     | CS-693 DECO - RIDGE 6X6    | CS-693 - RIDGE 6X6         |
| CS-295 - PEAK 2X2      | CS-695 - PEAK 6X6      | CS-695 DECO - PEAK 6X6     | CS-695 SBN - PEAK 6X6      |
| CS-296 - FOOTHILL 2X2  | CS-696 - FOOTHILL 6X6  | CS-696 DECO - FOOTHILL 6X6 | CS-696 SBN - FOOTHILL 6X6  |

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

## TEST CONDUCTED:

### RESISTANCE TO FREEZE-THAW CYCLING (ASTM C 1026)


Standard Test Method for Measuring the Resistance of Ceramic Tile to Freeze-Thaw Cycling.

Ten Specimens were placed into the freezing chamber to 0°F (-18°C) within a period of 6-8 hours and placed into water that was at a temperature from 50° to 60°F (10° to 16°C) for ≥30 minutes.

**Requirements:** After 15 Cycles The units are to show no evidence of Failure to Body or Surfaces. No evidence of Disintegration. Damage to the specimen is reported with the abbreviation as follows: Cz = crazing, Ch = Chipping, Sp = spalling, Bc = body checks, Cr = cracks.

Results: All units described above have **PASSED**.

Sincerely,

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