

SPECIALIZED TESTING



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KODIAK MOUNTAIN STONE, INC. PRECAST STONE VENEER QUALIFICATION TEST PROGRAM

Report of Test Results of Kodiak Mountain Stone, Inc.
Precast Stone Veneer Tested Pursuant to ICC-ES AC51, Acceptance Criteria for
Precast Stone Veneer, Effective March 1, 2008

TEST REPORT NO – STQA50303
ISSUED: APRIL 2010


PREPARED FOR

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KODIAK MOUNTAIN STONE, INC.
PRECAST STONE VENEER QUALIFICATION TEST PROGRAM
 (SPECIALIZED TESTING REPORT NUMBER STQA50303)

13. SUMMARY

TABLE 11 – SUMMARY OF TEST RESULTS

Test	Specimen Type	Summary of Results	Test Data	Remarks
Equilibrium Density	Cylinders (6-in x 12-in)	Average = 91.19-lb/ft ³	Table 4 of Section 5	The Equilibrium Density was determined by measurement in accordance with ASTM C 567.
Weight	Equilibrium Density and Absorption Specimens	Average = 13.1-lb/ft ²	Section 6	The saturated weight test results demonstrate that the mix design meets the requirement of AC51 Section 3.1.2.
Compressive Strength	Cylinders (4-in x 8-in)	Average = 3,494-psi	Table 5 of Section 7	The compressive strength test results demonstrate that the mix design meets the requirement of AC51 Section 3.1.3.1.
Tensile Strength	Briquets	Average = 434-psi	Table 6 of Section 8	The tensile strength test results demonstrate that the mix design meets the requirement of AC51 Section 3.1.3.2.
Flexural Strength	Prisms (1.57-in x 1.57-in x 6.30-in)	Average = 735-psi	Table 7 of Section 9	The flexural strength test results demonstrate that the mix design meets the requirement of AC51 Section 3.1.3.3.
Shear Bond Strength	Veneer Stone (Ready Stack) / N Mortar / Plaster Backing	Average = 143-psi	Table 8 of Section 10	The shear bond strength test results demonstrate that the bond strength between the veneer unit, the mortar setting bed and the backing meet the requirements of AC51 Section 3.1.3.4.
Absorption	Pieces of Broken Veneer Stone (Frontier Ledge)	Average = 21.85%	Table 9 of Section 11	The absorption results demonstrate that the specimens meet the requirements of AC51 Table 2.
Freeze Thaw Test	Veneer Stone (Frontier Ledge)	No Breakage or Disintegration The maximum weight change = 1.38%	Table 10 of Section 12	The freeze thaw test results demonstrate that the veneer stones meet the requirements of AC51 Section 4.2.