

May 9, 2008

[www.CTLGroup.com](http://www.CTLGroup.com)

Veneerstone  
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**Final Results for IAS AC 51 Product Testing of Precast Stone Veneer  
CTLGroup Project No. 262311**

Dear Veneerstone:

Attached are the results for the samples you submitted for testing in accordance with ICC-ES AC51 "Acceptance Criteria for Precast Stone Veneer." This testing has been done to insure that the manufactured stone veneer product you submitted meets the requirements set forth by ICC-ES AC51. This report encompasses results for the samples submitted from your McClellan, CA, Tejas Textured Stone Plant manufacturing facility. Two different mixes were submitted for testing, one identified as "Flat" and the other as "Corner."

**PRODUCT SAMPLING AND TESTING**

Mr. Ronald Kozikowski of Concrete Engineering Specialists was responsible for witnessing the production of the concrete mixture, sampling concrete, and molding of test specimens at Tejas Textured Stone Plant manufacturing facility in accordance with ICC-ES AC85. The product was sampled on December 12, 2007.

Upon sampling, all test specimens were covered with plastic to prevent moisture loss and cured for 24 hours prior to transportation to CTLGroup. Samples were cured for approximately 24 hours and were immediately transported to CTLGroup for demolding, storage, and testing.

**REQUIRED TEST STANDARDS**

The following tests have been conducted in accordance with ICC-ES AC51 requirements for the concrete mixture sampled.

1. *ASTM C 567-05a*, "Standard Test Method for Density of Structural Lightweight Concrete."
2. *ASTM C 67-07*, "Standard Specification for Structural Tile and Brick" Section 8, Freezing and Thawing

3. *ASTM C 39/C 39M-05e1*, "Standard Test Method for Compressive Strength of Cylindrical Specimens"
4. *ASTM C 190-85*, "Standard Test Method for Tensile Strength of Hydraulic Cement Mortars"
5. *ASTM C 348-02*, "Standard Test Method for Flexural Strength of Hydraulic Cement Mortars"
6. *UBC Standard 15-5*, Moisture Absorption
7. *ASTM C 482-02*, "Standard Test Method for Bond Strength of Ceramic Tile to Portland Cement"

### SUMMARY OF RESULTS

The testing of your material has been completed and final results indicate that the referenced stone veneer product meets or substantially exceeds the minimum physical requirements specified by ICC-ES AC51.

Thank you for choosing CTLGroup for your testing needs. Should you have any questions, please contact us.

Very truly yours,

**CONSTRUCTION TECHNOLOGY LABORATORIES, INC.**

*An AASHTO Accredited Laboratory – Aggregate, Cement and Concrete*



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