

## TESTING DATA

This reports is a summary of the results following the testing of samples of stone veneer, brick, and tile produced by Boulder Creek. The testing organization was the American Engineering Testing, Inc. Copies of these test are available for your files from Boulder Creek Stone and Brick Company.

### Stone

#### Absorption:

A 24-hour immersion test using ASTM C140 as a standard was conducted.  
Absorption = 10.3%

#### Compressive Strength:

As a testing standard, ASTM C67 was used.  
Total Load = 153,300 lbs  
P.S.I. = 5,410

R Value

R = 0.865

### Floor Tile

#### Absorption:

A 24-hour immersion test using ASTM C140 as a standard was conducted.  
Absorption = 6.1%

#### Compressive Strength:

As a testing standard, ASTM C67 was used.  
Total Load = 132,000 lbs  
P.S.I. = 4,570

### Brick

#### Absorption:

A 24-hour immersion test using ASTM C140 as a standard was conducted.  
Absorption = 5.4%

#### Compressive Strength:

As a testing standard, ASTM C67 was used.  
Total Load = 150,000 lbs  
P.S.I. = 5,300

## UL CLASSIFICATION

Boulder Creek stone, thin brick, and floor tile are USA UL classified, as well as Canadian UL listed and show zero flame spread and zero smoke development.

TESTING DATA



MINERAL COMPOSITION UNITS  
SURFACE BURNING CHARACTERISTICS  
89TN

Flame Spread 0  
Smoke Developed 0



LISTED CAN/ULC-S102.

MINERAL COMPOSITION UNITS  
SURFACE BURNING CHARACTERISTICS  
89TN

Flame Spread 0  
Smoke Developed 0



DESIGNED BY NATURE.  
PERFECTED BY BOULDER CREEK.®

## ICBO TESTING

The following are excerpts from a test report generated by:

Stork, Twin City Testing Corporation  
662 Cromwell Avenue  
St. Paul, MN 55114-1776  
651-645-3601 651-659-7348 Fax

Dated January 29, 2001 and signed by:

Thaddeau Harnois  
Staff Engineer

John D. Lee, P.E.  
Senior Staff Engineer

Project No. 030421

This report presents the results of our laboratory testing of stone veneer manufactured by Boulder Creek Stone Company. The scope of our testing was to perform laboratory testing of stone veneer according to ICBO Acceptance Criteria for Precast Stone Veneer (AC51).

### Summary of Test Results

Test	Stone Veneer	ICBO AC51 Requirements
Density, pcf	90.04	n/a
Freeze/Thaw, %	0.9 (Loss)	3 max.
Compressive Strength, psi	5,500	1,800
Flexural Strength, psi	660	n/a
Tensile Strength, psi	319.9	n/a
Shear Bond with Scratch Coat, psi	55.3	50
Conductivity, Btu·in/(h·ft <sup>2</sup> ·°F)	1.987	n/a
Conductance, Btu/(h·ft <sup>2</sup> ·°F)	1.159	n/a
Resistivity, °F·ft <sup>2</sup> ·h/Btu/in	0.505	n/a
Resistance, °F·ft <sup>2</sup> ·h/Btu	0.865	n/a
Flame Spread Index	0	n/a

### Conclusions

Based on these test results, the tested precast stone veneer meets the requirements of ICBO AC51.