

**ASTM C1194/C1195 Test Report**  
**Sampling and Testing Architectural Cast Stone**

Job No.: 19-256  
Report Date: 3/8/2019

Client: Stafford Stone Works LLC  
Address: 1500 Howard Avenue  
Fredericksburg, VA 22401

Testing Agency: National Concrete Masonry Association  
Address: Research and Development Laboratory  
13750 Sunrise Valley Drive  
Herndon, VA 20171-4662

Unit Specification: ASTM C1364-18

Date Samples Received: 2/22/2019

Unit Designation/Description:  
Architectural Cast Stone  
Mark: '2 x 2 x 2 inch Pre-Cut Dry Cast Stone Cubes'

Date of Casting: 2/4/2019

**Summary of Test Results:**

Physical Property	Tested Values	Required Values
Compressive Strength:	8450 psi	6500 psi minimum
Cold Water Absorption:	3.3 %	6.0 % maximum

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The client delivered a set of pre-cut 2 x 2 x 2 inch cast stone cubes for testing. (3) - 2 x 2 x 2 inch specimens were tested for absorption and (3) - 2 x 2 x 2 inch specimens were tested for compression. The results of these tests are summarized above, with individual results listed below.

**Absorption Specimens**

\*Absorption values are determined in accordance with *Method A (Cold Water Test)* as outlined in ASTM C1195-18.

Age of Specimen at Start of Testing: 27 days	Avg Width in.	Avg Height in.	Avg Length in.	Received Wt, W <sub>R</sub> g	Saturated Surface-Dry Wt, W <sub>S</sub> g	Oven-Dry Wt, W <sub>D</sub> g	Absorption %	
Unit #1a	1.95	1.97	1.92	266.6	266.8	258.8	3.1	
Date Tested: 3/3/2019	Unit #2a	1.97	1.98	1.94	267.8	269.5	260.1	3.6
to 3/5/2019	Unit #3a	1.90	1.97	1.97	265.4	266.4	257.8	3.3
	Average	1.94	1.97	1.94	266.6	267.6	258.9	3.3

**Compression Specimens**

\*Compressive strength values are determined in accordance with ASTM C1194-18.

Age of Specimen: 28 days	Avg Width in.	Avg Height in.	Avg Length in.	Received Wt, W <sub>R</sub> g	Maximum Compressive Load lb	Tested Compressive Strength psi	
Unit #1b	1.92	1.96	1.97	264.0	29850	7890	
Unit #2b	1.97	1.97	1.92	271.2	32930	8680	
Unit #3b	1.96	1.97	1.94	270.7	33440	8770	
Date Tested: 3/4/2019	Average	1.95	1.97	1.94	268.6	32070	8450

Comments: 1) These units comply with the compressive strength and cold water absorption requirements of ASTM C1364-18.



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