

ASTM C426-16 Test Report
Linear Drying Shrinkage of Concrete Masonry Units

Job No.: 18-233B
Report Date: 4/13/2018

Client: Stafford Stone Works
Address: 1500 Howard Ave.
Fredericksburg, VA 22401

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

Unit Specification: ASTM C1364-16

Sampling Party: Stafford Stone Works

Unit Size and Description:
Architectural Cast Stone
Mark: '#124'

Date Samples Received: 2/20/2018
Date Testing Started: 3/7/2018
Project ID: JVH 12218

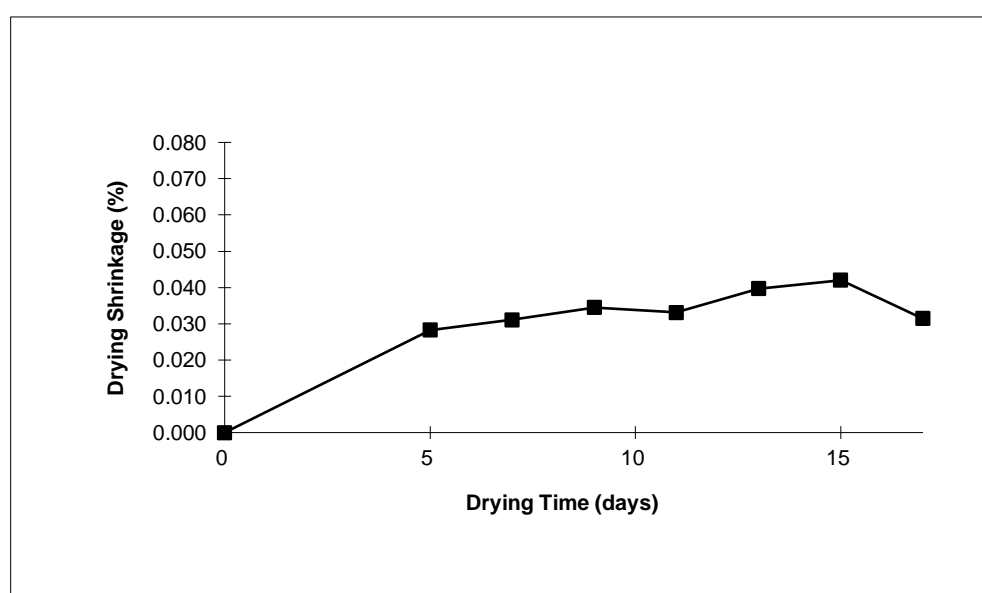
Shrinkage beams were saw-cut from submitted specimen for the purpose of testing in accordance with ASTM C426-16

Each reported value represents an average of calculated shrinkage values from measurements taken on each of two sides of the three specimens.

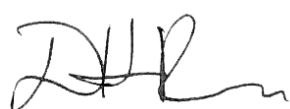
	Unit #1		Unit #2		Unit #3		Average	
	Weight (lbs)	Linear Drying Shrinkage (%)	Weight (lbs)	Linear Drying Shrinkage (%)	Weight (lbs)	Linear Drying Shrinkage (%)	Weight (lbs)	Linear Drying Shrinkage (%)
Saturated	6.24	---	6.30	---	6.54	---	6.36	---
5 Days	6.15	0.027	6.21	0.028	6.41	0.030	6.25	0.028
7 Days	6.13	0.030	6.19	0.030	6.39	0.033	6.24	0.031
9 Days	6.12	0.034	6.18	0.034	6.38	0.036	6.23	0.034
11 Days	6.11	0.032	6.17	0.032	6.37	0.035	6.22	0.033
13 Days	6.11	0.039	6.16	0.039	6.36	0.042	6.21	0.040
15 Days	6.10	0.040	6.16	0.040	6.36	0.045	6.21	0.042
17 Days	6.10	0.031	6.15	0.030	6.36	0.034	6.20	0.031

Final Linear Drying Shrinkage, S (%)

Unit #1	Unit #2	Unit #3	Average
0.037	0.036	0.040	0.038



Note: Final linear drying shrinkage, S, is calculated by averaging the final length measurement at equilibrium with the previous two measurements for each specimen.



Douglas H. Ross
Manager, Research and Development Laboratory



Jason J. Thompson
Vice President of Engineering