

BOWSER-MORNER, INC.

Delivery Address: 4518 Taylorsville Road Dayton, Ohio 45424 Mailing Address: P.O. Box 51 Dayton, Ohio 45401
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REPORT ON TESTS OF ARCHITECTURAL CAST STONE

Report To: Reading Rock, Inc.
Attn: David Zawada
4600 Devitt Drive
Cincinnati, OH 45246

Report Date: 09/11/20
Job No.: 196923
Report No.: 115711A
No. of Pages: 2

Date Made: n/a
Date Received: 8/3/2020
Date(s) of Performance: 08/04/20 - 09/11/20

Technician(s) Performing Tests: R. Kushmaul

Test Methods: ASTM C 1194, ASTM C 1195, ASTM C 426

Specification: ASTM C 1364


Type of Unit: Rockcast Custom Cast Stone - Hand Tamp Buff

Condition of Samples: Intact

COMPRESSIVE STRENGTH - ASTM C 1194					SPECIFICATIONS	
Specimen No.	2D	2E	2F	Average	Individual	Average
Length in Inches	2.05	2.02	2.03			
Width in Inches	2.02	2.05	2.04	2.04		
Height in Inches	2.02	2.01	2.04			
Total Load in lbs.	37,080	35,290	35,715			
Gross Area, Sq. In.	4.1	4.1	4.1			
Gross Unit Load, psi	8950	8520	8620	8700	6500 Min.	6500 Min.
ABSORPTION - ASTM C 1195					SPECIFICATIONS	
Specimen No.	2A	2B	2C	Average	Individual	Average
Dry Weight, (g)	287.80	282.50	286.40			
SSD Wt., 48 HR Soak, (g)	302.30	297.70	300.90			
Absorption, 48 HR Soak, (%)	5.0	5.4	5.1	5.2	6 Max	6 Max
LINEAR SHRINKAGE						
Linear Shrinkage at Equilibrium, %:	0.032		ASTM C 1364 Specification, % Max:			0.065

Should you have any questions, or if we may be of further service, please contact me at (937) 236-8805, ext. 322.

KAF/bk/adc
115711A
1-File
1-zawadad@readingrock.com


Karl A. Fletcher, Vice President
Assistant Director, CMT and
Geotechnical Laboratories

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Report To: Reading Rock, Inc.
 Methods: ASTM C 1194, ASTM C 1195, ASTM C 426
 Specs: ASTM C 1364

Job No.: 196923
 115711A
 Date Received: 8/3/2020

Unit ID: Rockcast Custom Cast Stone - Hand Tamp Buff

Ref. Rod Length: 11.62001

Linear Drying Shrinkage of Concrete Masonry Units

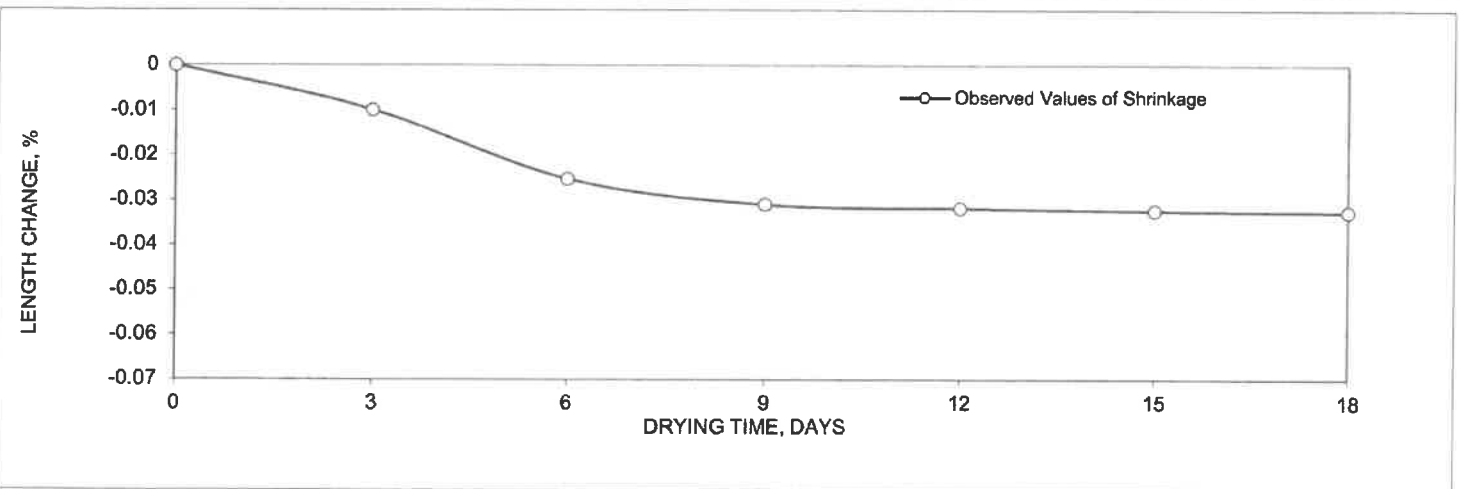
Test Specification: ASTM C 1364

Test Method: ASTM C 426

Unit Description: Rockcast Custom Cast Stone - Hand Tamp Buff

Reference Rod Length, in.: 11.62001

Day of Reading	Specimen ID	Reference Rod, inch	Specimen Readings, inch	Length inch	Length Change, %	Weight, lbs.	Weight Change, %	Avg Weight Change, %	Avg Length Change, %
0 8/24/2020	2G	0.0000	0.1415	11.7615	n/a	6.1700	n/a	0	0
	2H	0.0000	0.1134	11.7334	n/a	6.2700	n/a		
	2I	0.0000	0.1073	11.7273	n/a	6.1800	n/a		
3 8/27/2020	2G	0.0000	0.1402	11.7602	-0.0111	6.0800	-1.4587	-1.8793	-0.0099
	2H	0.0000	0.1123	11.7323	-0.0094	6.1500	-1.9139		
	2I	0.0000	0.1062	11.7262	-0.0094	6.0400	-2.2654		
6 8/30/2020	2G	0.0000	0.1386	11.7586	-0.0247	6.0600	-1.7828	-2.2555	-0.0253
	2H	0.0000	0.1103	11.7303	-0.0264	6.1300	-2.2329		
	2I	0.0000	0.1044	11.7244	-0.0247	6.0100	-2.7508		
9 9/2/2020	2G	0.0000	0.1383	11.7583	-0.0272	6.0400	-2.1070	-2.5238	-0.0310
	2H	0.0000	0.1095	11.7295	-0.0332	6.1100	-2.5518		
	2I	0.0000	0.1035	11.7235	-0.0324	6.0000	-2.9126		
12 9/5/2020	2G	0.0000	0.1383	11.7583	-0.0272	6.0200	-2.4311	-2.8461	-0.0318
	2H	0.0000	0.1093	11.7293	-0.0350	6.0900	-2.8708		
	2I	0.0000	0.1034	11.7234	-0.0333	5.9800	-3.2362		
15 9/8/2020	2G	0.0000	0.1382	11.7582	-0.0281	6.0200	-2.4311	-2.8461	-0.0324
	2H	0.0000	0.1092	11.7292	-0.0358	6.0900	-2.8708		
	2I	0.0000	0.1034	11.7234	-0.0333	5.9800	-3.2362		
18 9/11/2020	2G	0.0000	0.1382	11.7582	-0.0281	6.0200	-2.4311	-2.8461	-0.0327
	2H	0.0000	0.1092	11.7292	-0.0358	6.0900	-2.8708		
	2I	0.0000	0.1033	11.7233	-0.0341	5.9800	-3.2362		



Linear Shrinkage @ Equilibrium, %: 0.032 ASTM C 90-02, section 5.2 Specification, % Max: 0.065

The units submitted meet specifications for linear shrinkage.

