

BOWSER-MORNER, INC.

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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: 03/25/21
Job No.: 199796
Report No.: 302746A
No. of Pages: 2

Date Made: n/a
Date Received: 02/25/21
Date(s) of Performance: 02/25/21 - 03/03/21

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 CW

Condition of Samples: Intact

COMPRESSIVE STRENGTH - ASTM C 1194					SPECIFICATIONS	
Specimen No.	1D	1E	1F	Average	Individual	Average
Length in Inches	1.98	1.97	1.97			
Width in Inches	2.00	1.99	1.97	1.99		
Height in Inches	1.96	1.98	1.97			
Total Load in lbs.	30,400	30,110	29,575			
Gross Area, Sq. In.	4.0	3.9	3.9			
Gross Unit Load, psi	7680	7680	7620	7660	6500 Min.	6500 Min.
ABSORPTION - ASTM C 1195					SPECIFICATIONS	
Specimen No.	1A	1B	1C	Average	Individual	Average
Dry Weight, (g)	245.70	259.40	262.60			
SSD Wt., 48 HR Soak, (g)	254.10	268.80	272.70			
Absorption, 48 HR Soak, (%)	3.4	3.6	3.8	3.6	6 Max	6 Max
LINEAR SHRINKAGE						
Linear Shrinkage at Equilibrium, %:	0.052		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.

Respectfully submitted,

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

KAF/bk/jd
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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.: 199796
 Report No.: 302746A
 Date Received: 44252

Unit ID: Rockcast Custom Cast Stone - Hand Tamp CW

Ref. Rod Length: 11.632314

Linear Drying Shrinkage of Concrete Masonry Units

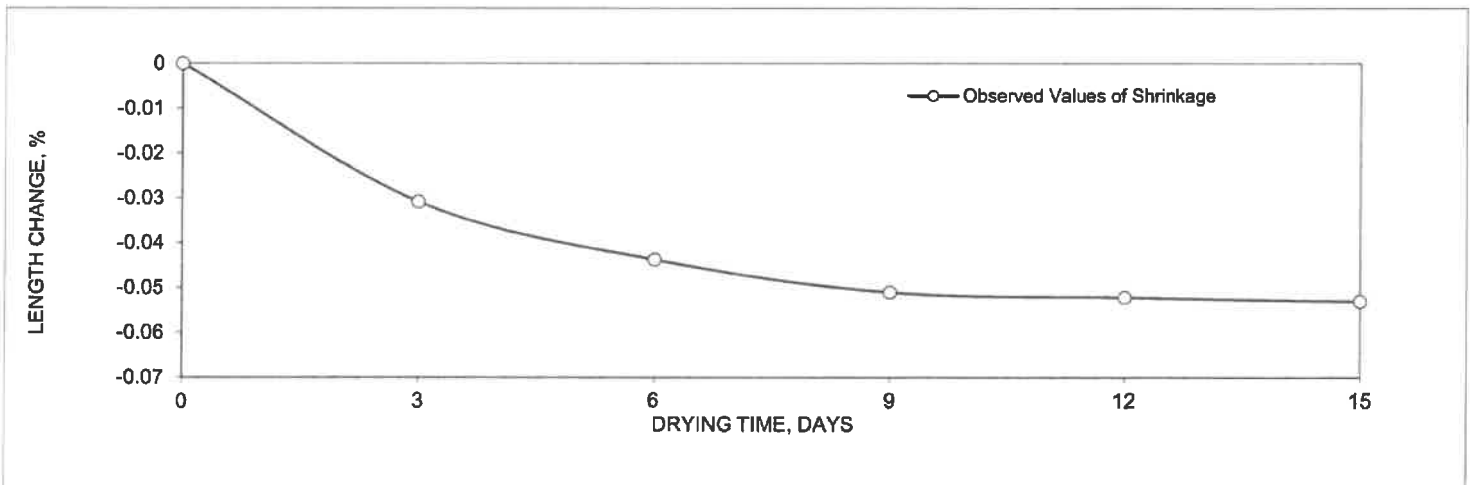
Test Specification: ASTM C 1364

Test Method: ASTM C 426

Unit Description: Rockcast Custom Cast Stone - Hand Tamp CW

Reference Rod Length, in.:

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 3/10/2021	1G	0.0000	0.2461	11.8784	n/a	6.5200	n/a	0	0
	1H	0.0000	0.2539	11.8862	n/a	6.6000	n/a		
	1I	0.0000	0.2421	11.8744	n/a	6.6000	n/a		
3 3/13/2021	1G	0.0000	0.2423	11.8746	-0.0320	6.2800	-3.6810	-3.7522	-0.0309
	1H	0.0000	0.2513	11.8836	-0.0219	6.3600	-3.6364		
	1I	0.0000	0.2375	11.8698	-0.0388	6.3400	-3.9394		
6 3/16/2021	1G	0.0000	0.2410	11.8733	-0.0430	6.2400	-4.2945	-4.4618	-0.0438
	1H	0.0000	0.2499	11.8822	-0.0337	6.3100	-4.3939		
	1I	0.0000	0.2356	11.8679	-0.0548	6.2900	-4.6970		
9 3/19/2021	1G	0.0000	0.2400	11.8723	-0.0514	6.2200	-4.6012	-4.7661	-0.0511
	1H	0.0000	0.2491	11.8814	-0.0404	6.2900	-4.6970		
	1I	0.0000	0.2348	11.8671	-0.0615	6.2700	-5.0000		
12 3/22/2021	1G	0.0000	0.2400	11.8723	-0.0514	6.2200	-4.6012	-4.7661	-0.0522
	1H	0.0000	0.2489	11.8812	-0.0421	6.2900	-4.6970		
	1I	0.0000	0.2346	11.8669	-0.0632	6.2700	-5.0000		
15 3/25/2021	1G	0.0000	0.2399	11.8722	-0.0522	6.2200	-4.6012	-4.7661	-0.0531
	1H	0.0000	0.2488	11.8811	-0.0429	6.2900	-4.6970		
	1I	0.0000	0.2345	11.8668	-0.0640	6.2700	-5.0000		



Linear Shrinkage @ Equilibrium, %: 0.052 ASTM C 90-02, section 5.2 Specification, % Max: 0.065

The units submitted meet specifications for linear shrinkage.