

# BOWSER-MORNER, INC.

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AASHTO/ISO 17025 Accredited • USACE Validated



## LABORATORY REPORT

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

**Date:** October 22, 2018  
**Job Number:** 186736  
**Report Number:** 114030  
**No. of Pages:** 2

**Report On:** Linear Shrinkage of Architectural Cast Stone

**Description:** Hand Tamped - Crystal White

**Date Made:** Not Specified

**Date Submitted:** September 24, 2018

**Test Method:** ASTM C 426

**Specification:** ASTM C 1364, Sec. 5.7

### Summary of Results

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Linear Shrinkage at Equilibrium, %: **-0.043**

ASTM C 1364, section 5.7 Specification, % Max: 0.065

The units submitted meet specifications for linear shrinkage.

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

Respectfully submitted,

BOWSER-MORNER, INC.

A blue ink signature of Karl A. Fletcher is written over the company name.

Karl A. Fletcher, Manager  
Construction Materials and  
Geotechnical Laboratories  
CMTT No. 7606

KAF/bk/jlh  
114030  
1-Client  
1-zawadad@readingrock.com

**Sample ID: Hand Tamped - Crystal White**

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 10/1/2018	3A	0.0000	0.2357	11.8675	n/a	6.8100	n/a	0	0
	3B	0.0000	0.2225	11.8543	n/a	6.9900	n/a		
	3C	0.0000	0.2258	11.8576	n/a	7.0000	n/a		
3 10/4/2018	3A	0.0000	0.2327	11.8645	-0.0253	6.6800	-1.9090	-1.9229	-0.0245
	3B	0.0000	0.2202	11.8520	-0.0194	6.8600	-1.8598		
	3C	0.0000	0.2224	11.8542	-0.0287	6.8600	-2.0000		
6 10/7/2018	3A	0.0000	0.2323	11.8641	-0.0287	6.6400	-2.4963	-2.4522	-0.0287
	3B	0.0000	0.2198	11.8516	-0.0228	6.8300	-2.2890		
	3C	0.0000	0.2217	11.8535	-0.0346	6.8200	-2.5714		
9 10/10/2018	3A	0.0000	0.2315	11.8633	-0.0354	6.6300	-2.6432	-2.7395	-0.0363
	3B	0.0000	0.2186	11.8504	-0.0329	6.8000	-2.7182		
	3C	0.0000	0.2210	11.8528	-0.0405	6.8000	-2.8571		
12 10/13/2018	3A	0.0000	0.2308	11.8626	-0.0413	6.6300	-2.6432	-2.7395	-0.0425
	3B	0.0000	0.2179	11.8497	-0.0388	6.8000	-2.7182		
	3C	0.0000	0.2202	11.8520	-0.0472	6.8000	-2.8571		
15 10/16/2018	3A	0.0000	0.2307	11.8625	-0.0421	6.6300	-2.6432	-2.7395	-0.0430
	3B	0.0000	0.2179	11.8497	-0.0388	6.8000	-2.7182		
	3C	0.0000	0.2201	11.8519	-0.0481	6.8000	-2.8571		
18 10/19/2018	3A	0.0000	0.2307	11.8625	-0.0421	6.6300	-2.6432	-2.7395	-0.0430
	3B	0.0000	0.2179	11.8497	-0.0388	6.8000	-2.7182		
	3C	0.0000	0.2201	11.8519	-0.0481	6.8000	-2.8571		

