

# BOWSER-MORNER, INC.

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AASHTO/ISO 17025 Accredited • USACE Validated



## REPORT ON FREEZE THAW DURABILITY

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

**Report Date:** 10/11/18  
**Job No.:** 185534  
**Report No.:** 113998  
**Date Submitted:** 06/26/18

**Test Method:** ASTM C 666A - Resistance of Concrete to Rapid Freezing and Thawing

**Specification:** ASTM C 1364 - Standard Specification for Architectural Cast Stone, section 5.6

**Sample ID:** Hand Tamp Buff

Cycle	Sample 3A		Sample 3B		Sample 3C		Average % Loss @ 210 Cycles*	ASTM C1364 Specification % Maximum
	Weight, g:	4588.6	Weight, g:	4630.3	Weight, g:	4677.1		
	Cumulative Loss, g	Loss %	Cumulative Loss, g	Loss %	Cumulative Loss, g	Loss %		
35	0.3	0.0	0.4	0.0	0.2	0.0	---	---
70	0.8	0.0	1.1	0.0	0.9	0.0	---	---
105	3.5	0.1	39.7	0.9	1.7	0.0	---	---
140	6.5	0.1	43.3	0.9	2.0	0.0	---	---
175	11.6	0.3	48.7	1.1	2.4	0.1	---	---
210	11.9	0.3	55.8	1.2	20.3	0.4	0.6	5.0
245	31.3	0.7	59.8	1.3	21.0	0.4	---	---
280	53.5	1.2	71.2	1.5	21.5	0.5	---	---
300	64.4	1.4	84.8	1.8	25.4	0.5	1.3	5.0

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

Respectfully submitted,

BOWSER-MORNER, INC.

Karl A. Fletcher, Manager  
Construction Materials and  
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