

# BOWSER-MORNER, INC.

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## REPORT ON FREEZE-THAW AND DE-ICING DURABILITY OF SOLID CONCRETE INTERLOCKING PAVING UNITS

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

**Report Date:** 05/15/20  
**Job Number:** 195115  
**Report Number:** 201292  
**No. of Pages:** 1

**Date Submitted:** 03/30/20  
**Date Made:** n/a  
**Sample ID:** 6cm Paverlock  
**Condition of Samples:** Intact  
**Technician(s) Performing Tests:** R. Kushmaul

**Date(s) of Performance:** April 14,  
2020 thru  
May 13,  
2020

**Specification:** ASTM C 936, section 5.5  
**Test Method:** ASTM C 1645, section 9

Specimen Number:	4A	4B	4C	Average
Initial Weight, g:	3751.2	3782.9	3814.7	---
Final Weight, g:	3747.9	3778.8	3811.9	---
Loss @ 7 Cycles, g:	0.5	0.7	0.4	0.5
Loss @ 28 Cycles, g:	0.6	0.8	0.9	0.8
Cumulative Loss, g:	1.1	1.5	1.3	1.3
Length in Inches:	8.2	8.2	8.2	8.2
Width in Inches:	3.5	5.5	5.5	4.8
Height in Inches:	2.4	2.4	2.4	2.4
*Total Surface Area, sq in:	28.3	44.9	44.9	39.4
Total Surface Area, sq m:	0.018	0.029	0.029	0.025
Loss @ 28 Cycles, g/sq m:	60.20	51.80	44.84	52.28
ASTM C 936, sec. 5.5 Specification, g/sq m.:				225 max.

Note 1: Samples cut from full size units

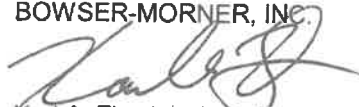
Note 2: Ended at 28 Cycles per ASTM 1645, Section 7.5.3

Note 3: Dimensions and total surface area were determined by measurement, Section 8.2.6

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, Vice-President  
Assistant Director, CMT &  
Geotechnical Laboratories

KAF/bk/adc

201292

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