

BOWSER-MORNER, INC.

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LABORATORY REPORT

Report To: Saturn Materials
Attn: Fred Dunand
350 Yorkville Park Square
Columbus, MS 39702

Report Date: 12/19/16
Job No.: 177444
Report No.: 200829
No. of Pages: 2

Report On: Linear Shrinkage of Concrete Masonry Units

Description: 3 Hole Brick - Modular Cored Brick

Date Made: 10/25/16

Date Submitted: 11/17/16

Test Method: ASTM C 426

Specification: ASTM C 90, Sec. 5.2

Summary of Results

Linear Shrinkage at Equilibrium, %: **0.055**

ASTM C 90, section 5.2 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.

KAF/bk/lhg
200829
1-File
1-Client

Respectfully submitted,

BOWSER-MORNER, INC.

Karl A. Fletcher, Manager
Construction Materials and
Geotechnical Laboratories

Description: 3 Hole Brick - Modular Cored Brick
 Report On: Linear Shrinkage of Concrete Masonry Units
 Reference Rod Length, inches: 7.997406

Test Method: ASTM C 426
 Specification: ASTM C 90, Sec. 5.2

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 12/2/2016	2A	0.0000	0.1188	8.1162	n/a	3.6500	n/a	0	0
	2B	0.0000	0.1258	8.1232	n/a	3.8700	n/a		
	2C	0.0000	0.1262	8.1236	n/a	3.9100	n/a		
3 12/5/2016	2A	0.0000	0.1157	8.1131	-0.0382	3.5200	-3.5616	-2.6435	-0.0365
	2B	0.0000	0.1231	8.1205	-0.0332	3.7900	-2.0672		
	2C	0.0000	0.1231	8.1205	-0.0382	3.8200	-2.3018		
6 12/8/2016	2A	0.0000	0.1138	8.1112	-0.0616	3.5200	-3.5616	-2.7297	-0.0587
	2B	0.0000	0.1218	8.1192	-0.0493	3.7800	-2.3256		
	2C	0.0000	0.1209	8.1183	-0.0653	3.8200	-2.3018		
9 12/11/2016	2A	0.0000	0.1142	8.1116	-0.0567	3.5200	-3.5616	-2.7297	-0.0550
	2B	0.0000	0.1213	8.1187	-0.0554	3.7800	-2.3256		
	2C	0.0000	0.1219	8.1193	-0.0530	3.8200	-2.3018		
12 12/14/2016	2A	0.0000	0.1142	8.1116	-0.0567	3.5200	-3.5616	-2.7297	-0.0554
	2B	0.0000	0.1212	8.1186	-0.0567	3.7800	-2.3256		
	2C	0.0000	0.1219	8.1193	-0.0530	3.8200	-2.3018		
15 12/17/2016	2A	0.0000	0.1142	8.1116	-0.0567	3.5200	-3.5616	-2.7297	-0.0554
	2B	0.0000	0.1212	8.1186	-0.0567	3.7800	-2.3256		
	2C	0.0000	0.1219	8.1193	-0.0530	3.8200	-2.3018		

