



**TEST REPORT**

100 Clemson Research Blvd.  
Anderson, SC 29625  
(864) 656-1094  
Fax: (864) 656-1095  
www.brickandtile.org

*Results of Tests on brick Conducted in accordance with ASTM C 67-18 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile*

12/03/2018

Name:	The Bowerston Shale Company P. O. Box 199 Bowerston , OH 44695	Plant:	The Bowerston Shale Company	*Temperature: 60 - 90F
Phone:	740-269-2921	Report Number:	8530-19853	*Humidity: 30% - 70%
Fax:	740-269-5456	Received Date:	11/12/2018	
		Sampled Date:	11/12/2018	
		Lot:		
		Product Code:		

Sample Description: **White/Gray Clay Series Modular: Lot H18034  
#300, #340, #345, #360, #806, #825, #925, #925-3, #923, #924, #926, #938, #940, #942, #940-3  
White, Light Gray, Medium Gray, Dark Gray**

							Test Date	
<b>Absorption</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
24 Hour Submersion in Cold Water (%)		3.59	3.61	3.38	3.63	3.79	3.60	
5 Hour Submersion in Boiling Water (%)		3.99	4.10	3.80	4.05	4.43	4.07	
Saturation Coefficient (Ratio of 24H to 5H)		0.90	0.88	0.89	0.90	0.86	0.89	
<b>Compressive Strength</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
	<i>psi</i>	16,042	20,071	19,091	19,692	17,608	18,501	
	<i>MPa</i>	110.6	138.4	131.6	135.8	121.4	127.6	
<b>Efflorescence</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	11/27/2018	
<b>IRA (Oven Dried Method)</b>		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
	<i>g/min/30 in.<sup>2</sup></i>	5.8	3.9	3.7	4.9	5.4	4.7	
<b>Average % Void</b>		19.7						11/14/2018

*The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:*

ASTM C 216 - 17a Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW, with absorption alternate in section 7.1.2

Michael Walker, Quality Manager

*\*The temperature and humidity of the Bishop Materials Laboratory is constantly kept between 60 -90F, and 30-70% RH  
The results shown above apply only to the samples tested, which are provided by the customer.  
This test report shall not be reproduced except in full, without written approval of the laboratory.*