



TEST REPORT

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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

02/14/2019

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:	8670-20354	*Humidity: 30% - 70%
Fax:	740-269-5456	Received Date:	01/25/2019	
		Sampled Date:	01/25/2019	
		Lot:	16056	
		Product Code:		

Sample Description: **Red Shale Series Modular, #110, #110-3, #110-6, #111, #111-3, #111-6, #120, #125, #130, #130-3, #130-6, #131, #131-3, #131-6, #138, #138-3, #138-6, #145, #145-3, #145-6, #225, #1100, #1103, #1106, #1110, #1113, #1116, #1200, #1252, #1300, #1303, #1306, #1310, #1313, #1316, #1348, #1450, #1620, #1625, AlbanyRose, Aztec Red, Bordeaux, Flint Ridge Blend, Harvest Blend, Irish Gold, Masonic Blend, Old English, Phoenix Red, Red Brush -Tex, Red Flash Brush-Tex, Red Brush-Tex 3, Red Brush-Tex 6, Somerset Blend, Tallmadge Blend, #325, #501, #510, #520, #525, #545**

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	4.26	3.72	4.78	4.45	3.52	4.14	01/31/2019
5 Hour Submersion in Boiling Water (%)	6.85	6.28	7.41	7.02	6.09	6.73	
Saturation Coefficient (Ratio of 24H to 5H)	0.62	0.59	0.64	0.63	0.58	0.61	
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	17,343	15,356	15,537	15,036	16,715	15,997	02/04/2019
<i>MPa</i>	119.6	105.9	107.1	103.7	115.2	110.3	
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		02/12/2019
IRA (Oven Dried Method)	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	14.7	16.6	15.7	22.7	16.9	17.3	02/04/2019
Average % Void	18.7						02/04/2019

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

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.