



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

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:	8530-19851	*Humidity: 30% - 70%
Fax:	740-269-5456	Received Date:	11/12/2018	
		Sampled Date:	11/12/2018	
		Lot:		
		Product Code:		

Sample Description: **Blush Buff Clay Series Modular: Lot H17020**
#245, #425, #423, #424, #426, #443, #445, #446, #448, #1000, #1003, #1425, #1445, #1448, #1520, #1525, #1540, #1543, #1545, #1546, Desert Brown, Desert Sage, Desert Tan, Desert Brown Flash, Desert Sage Flash, Meadowbrook Blend

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		4.59	4.85	4.85	4.69	4.83	4.76 11/15/2018
5 Hour Submersion in Boiling Water (%)		5.71	5.86	5.90	5.63	5.93	5.81
Saturation Coefficient (Ratio of 24H to 5H)		0.80	0.83	0.82	0.83	0.81	0.82
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	17,696	19,821	21,948	20,678	18,191	19,667 11/14/2018
	<i>MPa</i>	122.0	136.7	151.3	142.6	125.4	135.6
Efflorescence		11	12	13	14	15	
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	11/27/2018
IRA (Oven Dried Method)		6	7	8	9	10	Average
	<i>g/min/30 in.²</i>	6.9	7.7	7.4	6.8	7.3	7.2 11/15/2018
Average % Void		19.8					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.*