



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 C67-14 Standard Method for Sampling and Testing

Brick and Structural Clay Tile

09/20/2016

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton , OH 44702	Plant:	The Belden Brick Company	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	7094-14991	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	08/02/2016	
		Sampled Date:	08/02/2016	
		Lot:		
		Product Code:		

Sample Description: **PLT 4, SHALE & FIRECLAY IRONSPOT**

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	1.80	1.54	2.62	2.14	1.69	1.96	09/01/2016
5 Hour Submersion in Boiling Water (%)	3.54	2.23	3.78	3.44	2.72	3.14	
Saturation Coefficient (Ratio of 24H to 5H)	0.51	0.69	0.69	0.62	0.62	0.63	
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	17,907	19,595	18,533	19,917	17,880	18,766	09/06/2016
<i>MPa</i>	123.5	135.1	127.8	137.3	123.3	129.4	
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		09/13/2016
IRA (Oven Dried Method)	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	2.2	2.5	2.8	3.8	2.6	2.8	09/14/2016
Average % Void	16.6						09/08/2016

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

ASTM C 216 - 15 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.