



**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:	7098-15001	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	08/02/2016	
		Sampled Date:	08/02/2016	
		Lot:		
		Product Code:		

Sample Description: **PLT 6, ALL FIRECLAY, W/ADDITIVE**

							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 (%)		2.05	2.02	2.18	2.11	2.26	2.13	
5 Hour Submersion in Boiling Water (%)		2.58	2.47	2.82	2.81	2.87	2.71	
Saturation Coefficient (Ratio of 24H to 5H)		0.80	0.82	0.77	0.75	0.79	0.79	
<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>	19,085	16,444	16,296	15,689	15,768	16,657	
	<i>MPa</i>	131.6	113.4	112.4	108.2	108.7	114.8	
<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	09/13/2016	
<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>	2.7	4.1	3.1	3.0	3.3	3.2	
<b>Average % Void</b>		22.8						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.*