



**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:	7094-14993	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	08/02/2016	
		Sampled Date:	08/02/2016	
		Lot:		
		Product Code:		

Sample Description: **PLT4, ALL SHALE COARSE GRIND (NO 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 (%)	0.71	1.15	1.35	0.99	0.75	0.99	09/01/2016
5 Hour Submersion in Boiling Water (%)	2.00	2.71	3.11	1.91	0.98	2.14	
Saturation Coefficient (Ratio of 24H to 5H)	0.35	0.42	0.43	0.52	0.77	0.50	
<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>	20,429	22,230	21,611	24,016	25,597	22,776	09/01/2016
<i>MPa</i>	140.9	153.3	149.0	165.6	176.5	157.0	
<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>	2.0	3.5	4.1	3.7	2.4	3.1	09/08/2016
<b>Average % Void</b>	16.7						09/06/2016

*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.*