



**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 C 67-18 Standard Test Methods for Sampling and*

*Testing Brick and Structural Clay Tile*

07/19/2018

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton , OH 44702	Plant:	Canton	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	8297-18987	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	06/19/2018	
		Sampled Date:	06/19/2018	
		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 (%)		2.28	2.48	2.29	2.41	2.30	2.35	
5 Hour Submersion in Boiling Water (%)		3.08	3.48	3.16	3.37	3.15	3.25	
Saturation Coefficient (Ratio of 24H to 5H)		0.74	0.71	0.73	0.71	0.73	0.72	
<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>	9,952	9,307	13,710	11,556	10,404	10,986	
	<i>MPa</i>	68.6	64.2	94.5	79.7	71.7	75.7	
<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	07/03/2018	
<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>	3.5	3.4	3.4	3.6	3.5	3.5	
<b>Average % Void</b>		23.6						06/29/2018

*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

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.*