



**TEST REPORT**

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*Results of Tests on brick Conducted in accordance with ASTM C 67-16 Standard Test Methods for Sampling and*

*Testing Brick and Structural Clay Tile*

05/22/2018

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton , OH 44702	Plant:	Canton	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	8202-18698	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	04/27/2018	
		Sampled Date:	04/27/2018	
		Lot:		
		Product Code:		

Sample Description: **PLT 8, ALL FIRECLAY, COARSE GRIND, 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 (%)		2.79	2.26	2.66	2.62	2.48	2.56
5 Hour Submersion in Boiling Water (%)		3.31	2.57	3.07	3.05	3.01	3.00
Saturation Coefficient (Ratio of 24H to 5H)		0.84	0.88	0.87	0.86	0.82	0.85
<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>	16,361	14,005	15,199	13,790	13,568	14,585
	<i>MPa</i>	112.8	96.6	104.8	95.1	93.6	100.6
<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	
							05/11/2018
<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>	5.4	4.5	5.0	6.0	5.3	5.2
<b>Average % Void</b>		23.8					
							05/02/2018
<b>Abrasion Resistance</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
		0.02	0.02	0.02	0.02	0.02	0.02
							05/02/2018

**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

ASTM C 902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick  
Class: SX, MX, NX

Type: I, II, III

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.*