



**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:	8202-18702	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	04/27/2018	
		Sampled Date:	04/27/2018	
		Lot:		
		Product Code:		

Sample Description: **PLT 8, SHALE & FIRECLAY, FINE 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 (%)		1.37	2.36	1.41	1.58	1.29	1.60
5 Hour Submersion in Boiling Water (%)		1.55	2.79	1.59	1.69	1.58	1.84
Saturation Coefficient (Ratio of 24H to 5H)		0.89	0.85	0.89	0.93	0.82	0.87
<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>	15,766	12,935	18,545	14,834	16,522	15,720
	<i>MPa</i>	108.7	89.2	127.9	102.3	113.9	108.4
<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	05/10/2018
<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>	3.8	2.7	2.7	3.5	2.4	3.0
<b>Average % Void</b>		24.0					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>
		0.01	0.02	0.01	0.01	0.01	0.01

**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.*