



**TEST REPORT**

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*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:	8297-18989	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	06/19/2018	
		Sampled Date:	06/19/2018	
		Lot:		
		Product Code:		

Sample Description: **PLT 6, FIRECLAY & SHALE 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 (%)		2.65	2.59	2.44	2.72	2.60	2.60	
5 Hour Submersion in Boiling Water (%)		3.98	4.02	3.60	3.75	3.89	3.85	
Saturation Coefficient (Ratio of 24H to 5H)		0.67	0.64	0.68	0.72	0.67	0.68	
<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>	15,411	19,290	17,023	17,785	18,598	17,621	
	<i>MPa</i>	106.3	133.0	117.4	122.6	128.2	121.5	
<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>	3.6	3.8	4.4	3.9	3.9	3.9	
<b>Average % Void</b>		22.3						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.*