



**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*

07/19/2019

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton , OH 44702	Plant:	Canton	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	8929-21000	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	06/25/2019	
		Sampled Date:	06/25/2019	
		Lot:		
		Product Code:		

Sample Description: **PLT 2, ALL SHALE W/ADDITIVE (FACE)**

							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 (%)		1.21	1.53	1.47	1.40	1.57	1.44	
5 Hour Submersion in Boiling Water (%)		2.19	2.64	2.59	2.52	2.79	2.55	
Saturation Coefficient (Ratio of 24H to 5H)		0.55	0.58	0.57	0.56	0.56	0.56	
<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>	25,769	23,575	23,653	21,086	25,131	23,843	
	<i>MPa</i>	177.7	162.5	163.1	145.4	173.3	164.4	
<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	07/10/2019	
<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	3.6	3.7	4.4	3.7	3.8	
<b>Average % Void</b>		20.7						07/11/2019

**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.*