



**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*

05/16/2018

Name:	The Belden Brick Company P. O. Box 430 Sugar creek , OH 44681	Plant:	Sugarcreek	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	8207-18724	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	05/02/2018	
		Sampled Date:	05/02/2018	
		Lot:		
		Product Code:		

Sample Description: **PLT 2, ALL SHALE NO 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 (%)		2.45	3.07	2.29	3.23	2.60	2.73 05/07/2018
5 Hour Submersion in Boiling Water (%)		4.72	4.44	4.17	4.67	4.61	4.52
Saturation Coefficient (Ratio of 24H to 5H)		0.52	0.69	0.55	0.69	0.56	0.60
<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>	21,601	23,448	22,637	20,631	23,972	22,458 05/09/2018
	<i>MPa</i>	148.9	161.7	156.1	142.2	165.3	154.8
<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	05/15/2018
<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>	5.1	5.3	5.3	6.0	7.2	5.8 05/08/2018
<b>Average % Void</b>		20.8					05/07/2018

*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.*