



**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*

07/25/2017

Name:	The Belden Brick Company P. O. Box 430 Sugarcreek , OH 44681	Plant:	The Belden Brick Company	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	7664-16938	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	07/07/2017	
		Sampled Date:	07/07/2017	
		Lot:		
		Product Code:		

Sample Description: **PLT 2, SHALE/FIRECLAY NO ADDITIVE (PAVER, 2-1/4)**

							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 (%)		3.16	2.70	2.49	2.96	2.76	2.81 07/14/2017
5 Hour Submersion in Boiling Water (%)		4.30	4.18	3.86	4.22	4.28	4.17
Saturation Coefficient (Ratio of 24H to 5H)		0.74	0.65	0.65	0.70	0.64	0.67
<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>	21,514	19,054	20,958	22,706	21,799	21,206 07/18/2017
	<i>MPa</i>	148.3	131.4	144.5	156.6	150.3	146.2
<b>Breaking Load</b>		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>
	<i>(lb/in.)</i>	1,111	1,068	1,035	1,146	1,069	1,086 07/19/2017
<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	07/25/2017
<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>	3.1	2.8	2.8	3.2	3.2	3.0 07/19/2017
<b>Abrasion Resistance</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
		0.01	0.01	0.01	0.01	0.01	0.01 07/19/2017

*The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:*

ASTM C 1272 - 16b Standard Specification for Heavy Vehicular Paving Brick  
Type: R

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.*