



**TEST REPORT**

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*Results of Tests on Brick conducted in accordance with ASTM C67-14 Standard Method for Sampling and Testing*

*Brick and Structural Clay Tile*

07/11/2016

Name:	The Belden Brick Company P. O. Box 430 Sugarcreek , OH 44681	Plant:	The Belden Brick Company	*Temperature: 60 - 90F
Phone:	330-852-2424	Report Number:	7005-14742	*Humidity: 30% - 70%
Fax:	330-852-2958	Received Date:	06/17/2016	
		Sampled Date:	06/17/2016	
		Lot:		
		Product Code:		

Sample Description: **Plt 4, Roman Shale/Fireclay No Additive**

						Average	Test Date
<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>		
24 Hour Submersion in Cold Water (%)	2.93	2.12	2.35	2.45	2.76	2.52	06/23/2016
5 Hour Submersion in Boiling Water (%)	3.68	2.79	2.96	3.08	3.63	3.23	
Saturation Coefficient (Ratio of 24H to 5H)	0.79	0.76	0.79	0.80	0.76	0.78	
<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>	21,848	15,946	9,940	10,662	17,605	15,200	06/24/2016
<i>MPa</i>	150.6	109.9	68.5	73.5	121.4	104.8	
<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		07/01/2016
<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>	2.6	3.2	3.4	3.1	3.2	3.1	06/24/2016

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

ASTM C 216 - 15 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.*