### RESULTS OF TESTS ON BRICK CONDUCTED IN ACCORDANCE WITH ASTM C67-14 STANDARD METHOD FOR SAMPLING AND TESTING

**Brick and Structural Clay Tile**

10/07/2016

**Name:** The Belden Brick Company  
**Plant:** The Belden Brick Company  
**Address:** P. O. Box 430 Sugar Creek, OH 44681  
**Phone:** 330-852-2424  
**Fax:** 330-852-2958  
**Report Number:** 7097-14999  
**Received Date:** 08/02/2016  
**Sampled Date:** 08/02/2016  
**Lot:**  
**Product Code:**  

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

**Test Date**

<table>
<thead>
<tr>
<th>Test Description</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>Average</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Hour Submersion in Cold Water (%)</td>
<td>2.57</td>
<td>2.60</td>
<td>2.37</td>
<td>2.60</td>
<td>2.44</td>
<td>2.52</td>
<td></td>
</tr>
<tr>
<td>5 Hour Submersion in Boiling Water (%)</td>
<td>3.25</td>
<td>3.29</td>
<td>3.00</td>
<td>3.15</td>
<td>3.32</td>
<td>3.20</td>
<td></td>
</tr>
<tr>
<td>Saturation Coefficient (Ratio of 24H to 5H)</td>
<td>0.79</td>
<td>0.79</td>
<td>0.79</td>
<td>0.83</td>
<td>0.73</td>
<td>0.79</td>
<td></td>
</tr>
</tbody>
</table>

| Compressive Strength psi                              | 19,010 | 18,055 | 20,802 | 19,934 | 18,791 | 19,318 |   |
| Compressive Strength MPa                             | 131.1  | 124.5  | 143.4  | 137.4  | 129.6  | 133.2  |   |

| Breaking Load (lb/in.)                                 | 1,277  | 1,704  | 1,266  | 1,263  | 1,534  | 1,409  |   |

| Efflorescence                                          | 11     | 12     | 13     | 14     | 15     |         |   |
|                                                       | Not Effloresced | Not Effloresced | Not Effloresced | Not Effloresced | Not Effloresced | 09/07/2016 |   |

| Abrasion Resistance                                    | 0.01   | 0.01   | 0.01   | 0.01   | 0.01   | 0.01    |   |

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

ASTM C 1272 - 16 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

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*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.

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