TEST REPORT

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www.brickandtile.org

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

06/05/2018

Name: The Belden Brick Company
Plant: Canton
700 West Tuscarawas Street
Canton, OH 44702
Report Number: 8202-18700
*Temperature: 60 - 90F
Phone: 330-456-0031
Received Date: 04/27/2018
Fax: 330-456-2694
Sample Date: 04/27/2018
Lot:
Product Code:

Sample Description: PLT 8, ALL FIRECLAY, FINE GRIND, W/ADDITIVE  (THIN BRICK)

<table>
<thead>
<tr>
<th>Absorption</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 Hour Submersion in Cold Water (%)</td>
<td>2.33</td>
<td>1.98</td>
<td>2.30</td>
<td>1.84</td>
<td>2.19</td>
<td>2.13</td>
</tr>
<tr>
<td>5 Hour Submersion in Boiling Water (%)</td>
<td>2.63</td>
<td>2.28</td>
<td>2.49</td>
<td>2.05</td>
<td>2.54</td>
<td>2.40</td>
</tr>
<tr>
<td>Saturation Coefficient (Ratio of 24H to 5H)</td>
<td>0.89</td>
<td>0.87</td>
<td>0.92</td>
<td>0.90</td>
<td>0.86</td>
<td>0.89</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Efflorescence</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effloresced</td>
<td>Not</td>
<td>Not</td>
<td>Not</td>
<td>Not</td>
<td>05/10/2018</td>
</tr>
<tr>
<td></td>
<td>Effloresced</td>
<td>Effloresced</td>
<td>Effloresced</td>
<td>Effloresced</td>
<td></td>
</tr>
<tr>
<td>IRA (Oven Dried Method)</td>
<td>6</td>
<td>7</td>
<td>8</td>
<td>9</td>
<td>10</td>
</tr>
<tr>
<td>g/min/30 in.²</td>
<td>3.2</td>
<td>4.4</td>
<td>4.0</td>
<td>4.5</td>
<td>3.5</td>
</tr>
</tbody>
</table>

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

ASTM C 1088 - 17 Standard Specification for thin Veneer brick Units Made From Clay or Shale
Grade: Exterior, Interior, with absorption alternate in section 6.1.2

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.