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
700 West Tuscarawas Street
Canton, OH 44702
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Plant: Canton
Report Number: 8202-18702
Received Date: 04/27/2018

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

Sample Date: 04/27/2018
Lot: PLT 8, SHALE & FIRECLAY, FINE GRIND, W/ADDITIVE (THIN BRICK)

*Temperature: 60 - 90°F
*Humidity: 30% - 70%

<table>
<thead>
<tr>
<th>Test Date</th>
<th>Absorption (%)</th>
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<th></th>
<th>Average</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>05/03/2018</td>
<td>24 Hour Submersion in Cold Water (%)</td>
<td>1.37</td>
<td>2.36</td>
<td>1.41</td>
<td>1.58</td>
<td>1.29</td>
<td>1.60</td>
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<tr>
<td>05/03/2018</td>
<td>5 Hour Submersion in Boiling Water (%)</td>
<td>1.55</td>
<td>2.79</td>
<td>1.59</td>
<td>1.69</td>
<td>1.58</td>
<td>1.84</td>
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<td></td>
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<tr>
<td>05/10/2018</td>
<td>Saturation Coefficient (Ratio of 24H to 5H)</td>
<td>0.89</td>
<td>0.85</td>
<td>0.89</td>
<td>0.93</td>
<td>0.82</td>
<td>0.87</td>
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</tbody>
</table>

| Efflorescence   | 11 | 12 | 13 | 14 | 15 |          |          |          |         |
|-----------------|----|----|----|----|----|----------|----------|          |         |
| Effloresced     | Not| Not| Not| Not| Not| 05/10/2018|          |          |         |
| Effloresced     | 3.8| 2.7| 2.7| 3.5| 2.4| 3.0      |          |          |         |

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 - 90°F, and 30-70% RH
The results shown above apply only to the samples tested, which are provided by the customer.
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