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

Brick and Structural Clay Tile

09/07/2015

Name: The Belden Brick Company
P. O. Box 430
Sugarcreek, OH 44681
Phone: 330-852-2424
Fax: 330-852-2958

Plant: The Belden Brick Company
Report Number: 6447-12968
Received Date: 07/29/2015
Sampled Date: 07/29/2015
Lot:
Product Code:

Sample Description: PLT 2, SHALE/FIRECLAY W/ADDITIVE REDUCED FIRE (PAVER, 2-1/4”)

<table>
<thead>
<tr>
<th>Test Date</th>
<th>Absorption 24 Hour Submersion in Cold Water (%)</th>
<th>Absorption 5 Hour Submersion in Boiling Water (%)</th>
<th>Absorption Saturation Coefficient (Ratio of 24H to 5H)</th>
<th>Compressive Strength psi</th>
<th>Compressive Strength MPa</th>
<th>Breaking Load (lb/in.)</th>
<th>Efflorescence</th>
<th>Abrasion Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>08/21/2015</td>
<td>0.44 0.53 0.54 0.51 0.50 0.51</td>
<td>0.77 0.86 0.86 0.82 0.81 0.82</td>
<td>0.58 0.62 0.63 0.62 0.62 0.61</td>
<td>19,731 17,303 15,884 16,670 12,012 16,320</td>
<td>136.0 119.3 109.5 114.9 82.8 112.5</td>
<td>1,537 1,475 1,670 1,643 1,343 1,534</td>
<td>Not Effloresced</td>
<td>0.00 0.00 0.00 0.00 0.00 0.00</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 1272 - 14 Standard Specification for Heavy Vehicular Paving Brick
Type: R

ASTM C 902 - 14 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 - 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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