**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

05/25/2018

**Name:** Glen-Gery Corporation  
433 S. Pottsville Pike  
Shoemakersville , PA 19555  
**Phone:** 610-562-3076  
**Fax:** 610-562-2084

**Plant:** Mid-Atlantic  
**Report Number:** GGMA-0843  
**Received Date:** 05/07/2018  
**Sampled Date:** 05/03/2018  
**Lot:** 04805DA  
**Product Code:** 72502200

**Sample Description:** Mid-Atlantic Shale Molded, Solid, Molded

<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>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>IRA (Oven Dried Method)</th>
<th>Abrasion Resistance</th>
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</thead>
<tbody>
<tr>
<td>05/09/2018</td>
<td>4.83</td>
<td>9.56</td>
<td>0.51</td>
<td>6,895</td>
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<td>1,103</td>
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<td>6,833</td>
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<td>5.32</td>
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<td>5,079</td>
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<td>377</td>
<td>Not Effloresced</td>
<td>20.6</td>
<td>0.10</td>
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</table>

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

- **ASTM C 216 - 17a Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)**  
  Grade: SW, MW
- **ASTM C 32 - 13 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)**  
  Grade: SM, MM, MS
- **ASTM C 62 - 17 Standard Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)**  
  Grade: SW, MW, NW
- **ASTM C 902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick**  
  Class: SX, MX, NX, with **Molded Brick Alternate 5.1.5**
- **ASTM CAN/CSA-A82-14 Fired masonry brick made from clay or shale**  
  Grade: IG, EG

*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.

Michael Walker, Quality Manager

Lab Reference: 8211.18741