



**TEST REPORT**

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

*Brick and Structural Clay Tile*

01/17/2017

Name:	Glen-Gery Corporation 433 S. Pottsville Pike Shoemakersville, PA 19555	Plant:	Mid-Atlantic	*Temperature: 60 - 90F
Phone:	610-562-3076	Report Number:	GGMA-0837	*Humidity: 30% - 70%
Fax:	610-562-2084	Received Date:	09/17/2015	
		Sampled Date:	09/11/2015	
		Lot:	09505DA	
		Product Code:	72502200	

Sample Description: **Mid-Atlantic Shale Molded, Face Brick, Machine Molded**

						Average	Test Date
<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>		
24 Hour Submersion in Cold Water (%)	5.60	5.61	6.39	6.45	7.47	6.30	09/21/2015
5 Hour Submersion in Boiling Water (%)	9.15	9.11	9.89	9.97	11.10	9.84	
Saturation Coefficient (Ratio of 24H to 5H)	0.61	0.62	0.65	0.65	0.67	0.64	
<b>Compressive Strength</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
<i>psi</i>	7,332	7,411	6,346	8,062	7,722	7,375	09/21/2015
<i>MPa</i>	50.6	51.1	43.8	55.6	53.2	50.8	
<b>Efflorescence</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		09/29/2015
<b>IRA (Oven Dried Method)</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
<i>g/min/30 in.<sup>2</sup></i>	22.0	23.6	27.1	23.1	23.8	23.9	09/21/2015
<b>Abrasion Resistance</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
	0.08	0.08	0.10	0.08	0.10	0.09	09/21/2015

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

ASTM C 216 - 16 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 - 13a 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**

Type: I, II, III

CAN/CSA-A82-06 Fired masonry brick made from clay or shale  
Grade: IG, EG

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.*