



**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 and ASTM C1405-12 Standard Specification for Glazed Brick (Single Fired, Solid Brick*

*Units)*

02/07/2017

Name:	Glen-Gery Corporation 433 S. Pottsville Pike Shoemakersville, PA 19555	Plant:	Hanley	*Temperature: 60 - 90F
Phone:	610-562-3076	Report Number:	GGHA-1498	*Humidity: 30% - 70%
Fax:	610-562-2084	Received Date:	01/17/2017	
		Sampled Date:	01/09/2017	
		Lot:	066RMDA	
		Product Code:	20100571	

Sample Description: **Hanley Clay Glazed Extruded**

							Test Date
<b>Imperviousness:</b>	For bricks 6 through 10, no stain could be seen from a distance of 5 feet on or beneath the surface.						01/19/2017
<b>Opacity:</b>	For bricks 1 through 3, no discoloration of the body was visible through the glaze.						01/19/2017
<b>Autoclave Crazing:</b>	For bricks 1 through 3, the glaze did not craze, spall, or crack.						01/19/2017
<b>Chemical Resistance:</b>	For bricks 4 and 5, the color of the glaze did not change.						01/19/2017
<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
24 Hour Submersion in Cold Water (%)	1.54	1.89	2.13	2.27	2.34	2.03	01/19/2017
5 Hour Submersion in Boiling Water (%)	1.98	2.28	2.35	2.40	2.40	2.28	
Saturation Coefficient (Ratio of 24H to 5H)	0.78	0.83	0.91	0.95	0.98	0.89	
<b>Compressive Strength</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
<b>psi</b>	22,834	19,920	21,758	16,015	26,379	21,381	01/19/2017
<b>MPa</b>	157.4	137.3	150.0	110.4	181.9	147.4	
<b>IRA (Oven Dried Method)</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
<b>g/min/30 in.<sup>2</sup></b>	1.6	2.3	2.2	2.2	1.7	2.0	01/26/2017
<b>Average % Void</b>	23.7						01/26/2017

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

ASTM C 1405 - 16 Standard Specification for Glazed Brick (Single Fired, Solid Brick Units)

Type: Single

Class: Class Exterior, Class Interior, with alternate in section 5.1.1

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.*