



**TEST REPORT**

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**Results of Tests on brick Conducted in accordance with ASTM C67/C67M-18 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

05/12/2020

Name:	Glen-Gery Corporation 433 S. Pottsville Pike Shoemakersville, 19555	Plant:	Caledonia
Phone:	610-562-3076	Sampled Date:	4/8/2020
Fax:	610-562-2084	Received Date:	4/8/2020
Report Number:	GGCA-1613B	Fired Date:	3/8/2020
		Product Code:	
		Lot Number:	

Description: **Caledonia Shale Extruded**

<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	<b>Test Date</b>
24 Hour Cold Water (%)	3.03	2.47	2.32	3.03	3.83	2.94	4/16/2020
5 Hour Boiling Water (%)	3.91	3.18	3.17	3.94	4.90	3.82	
Saturation Coefficient	0.77	0.78	0.73	0.77	0.78	0.77	
<b>Compressive Strength</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	<b>Test Date</b>
psi	14,028	14,849	14,429	13,315	11,876	13,699	4/16/2020
MPa	96.7	102.3	99.4	91.8	81.8	94.4	
<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>Test Date</b>
g/min/30 in. <sup>2</sup>	8.4	8.5	6.3	6.3	6.4	7.2	4/27/2020
<b>Efflorescence</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>Test Date</b>	
Efflorescence Detection	Not	Not	Not	Not	Not		4/24/2020
	Effloresced	Effloresced	Effloresced	Effloresced	Effloresced		

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

- ASTM C 32 - 13 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)  
Grades: SS, SM / MS, MM
- ASTM C 62 - 17 Standard Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)  
Class: SW, MW, NW
- ASTM C 216 - 19 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW
- CAN/CSA-A82-14 Fired Masonry Brick Made From Clay Or Shale  
Class: EG, IG



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.  
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