

Results of Tests on Brick conducted in accordance with ASTM C67-12 Standard Method for Sampling and

Testing Brick and Structural Clay Tile

07/29/2013

Name:	Glen-Gery Corporation PO Box 306 Marseilles, IL 61341	Plant:	Marseilles
Phone:	610-562-3076	Report Number:	GGMS-1239
Fax:	610-562-2084	Sampled Date:	05/21/2013
		Lot:	05350DA
		Product Code:	73603100

Sample Description: **Marseilles Clay/Shale Extruded**

						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 (%)	5.66	5.45	6.17	5.22	5.71	5.64	06/27/2013
5 Hour Submersion in Boiling Water (%)	6.33	6.18	6.96	5.92	6.42	6.36	
Saturation Coefficient (Ratio of 24H to 5H)	0.89	0.88	0.89	0.88	0.89	0.89	
<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>	10,069	10,456	9,620	11,046	9,387	10,116	06/27/2013
<i>MPa</i>	69.4	72.1	66.3	76.2	64.7	69.7	
<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		07/03/2013
<b>IRA</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>	9.9	6.9	8.6	9.5	7.1	8.4	07/02/2013

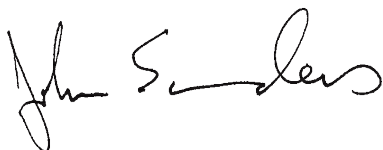
The brick represented by the test results shown here comply with the standards listed below:

ASTM C 216 - 12 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW, with absorption alternate in section 6.1.2

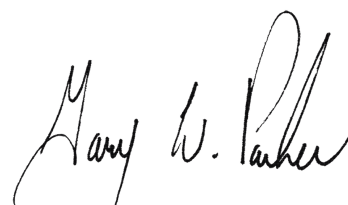
ASTM C 32 - 11 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)  
Grade: SM, / MM, MS, with absorption alternate in Section 3

ASTM C 62 - 12 Standard Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW, NW, with absorption alternate in section 4.2.2

CAN/CSA-A82-06 Fired masonry brick made from clay or shale  
Grade: EG, IG, with absorption alternate in section 6.2.2



John Sanders, Ph.D., PE, Director



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