

TEST REPORT
THE BISHOP MATERIALS LABORATORY

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

Testing Brick and Structural Clay Tile

10/07/2013

Name:	Glen-Gery Corporation 433 S. Pottsville Pike Shoemakersville, PA 19555	Plant:	Caledonia
Phone:	610-562-3076	Report Number:	GGCA-1182
Fax:	610-562-2084	Received Date:	08/20/2013
		Sampled Date:	08/07/2013
		Lot:	08316DA
		Product Code:	73205101

Sample Description: **Caledonia Shale w/ Additives Extruded**

							Test Date
Absorption	1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)	1.58	1.12	1.38	1.43	1.01	1.30	08/26/2013
5 Hour Submersion in Boiling Water (%)	2.28	1.63	1.92	2.07	1.54	1.89	
Saturation Coefficient (Ratio of 24H to 5H)	0.70	0.69	0.72	0.69	0.66	0.69	

*Measurement Uncertainty ± 0.55 %

	1	2	3	4	5	Average	
Compressive Strength							
<i>psi</i>	16,528	18,833	15,214	17,703	15,336	16,723	08/26/2013
<i>MPa</i>	114.0	129.8	104.9	122.1	105.7	115.3	

*Measurement Uncertainty ± 231 psi

Efflorescence	11	12	13	14	15	
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	09/03/2013

IRA (Oven-Dried Method)	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	4.6	3.6	4.6	2.7	4.6	4.0	09/02/2013

*Measurement Uncertainty ± 1.5 g/min/30 in.²

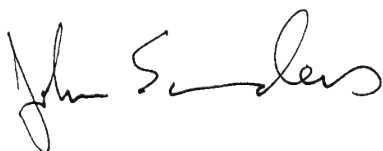
The brick represented by the test results shown here comply with the standards listed below:

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

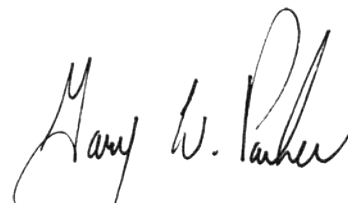
ASTM C 32 - 11 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)
Grade: SM, SS / MM, MS

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

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



John Sanders, Ph.D., PE, Director



Gary W. Parker, Laboratory Supervisor

*This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2

The test results shown above apply only to the samples tested, which were provided by the customer.

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