

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

Testing Brick and Structural Clay Tile

04/23/2013

Name:	Glen-Gery Corporation 433 S. Pottsville Pike Shoemakersville, PA 19555	Plant:	Hanley
Phone:	610-562-3076	Report Number:	GGHA-1188
Fax:	610-562-2084	Sampled Date:	12/04/2012
		Lot:	
		Product Code:	71203100

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

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		1.02	1.11	1.05	0.88	1.06	1.02
5 Hour Submersion in Boiling Water (%)		1.39	1.43	1.30	1.11	1.34	1.31
Saturation Coefficient (Ratio of 24H to 5H)		0.73	0.78	0.81	0.79	0.79	0.78
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	16,952	14,807	16,399	15,528	16,009	15,939
	<i>MPa</i>	116.9	102.1	113.1	107.1	110.4	109.9
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	01/16/2013
IRA		6	7	8	9	10	Average
	<i>g/min/30 in.²</i>	1.6	2.1	1.4	1.8	1.6	1.7

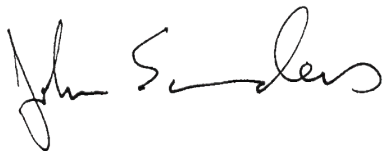
The brick represented by the test results shown here comply with the standards listed below:

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

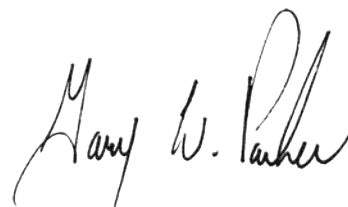
ASTM C 32 - 11 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)
Grade: SM, SS / MM, MS

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



Gary W. Parker, Laboratory