

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-1185
Fax:	610-562-2084	Sampled Date:	02/20/2012
		Lot:	
		Product Code:	71202100

Sample Description: **Hanley Shale Extruded**

							Test Date
Absorption	1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)	2.64	2.68	2.80	2.78	2.73	2.73	04/11/2012
5 Hour Submersion in Boiling Water (%)	3.41	3.57	3.65	3.55	3.41	3.52	
Saturation Coefficient (Ratio of 24H to 5H)	0.78	0.75	0.77	0.78	0.80	0.78	
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	20,213	22,693	19,464	19,102	21,601	20,615	04/11/2012
<i>MPa</i>	139.4	156.5	134.2	131.7	148.9	142.1	
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		04/19/2012
IRA	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	4.1	5.1	3.9	4.3	4.9	4.5	04/19/2012

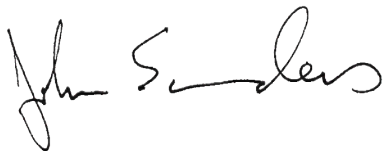
The brick represented by the test results shown here comply with the standards listed below:

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

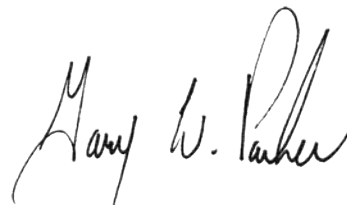
ASTM C 32 - 11 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)
Grade: SM, SS / MM, MS

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, with absorption alternate in section 6.2.2



John Sanders, Ph.D., PE, Director



Gary W. Parker, Laboratory Supervisor