

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 433 S. Pottsville Pike Shoemakersville, PA 19555	Plant:	Mid-Atlantic
Phone:	610-562-3076	Report Number:	GGMA-0818
Fax:	610-562-2084	Sampled Date:	05/28/2013
		Lot:	04105da
		Product Code:	72502100

Sample Description: **Mid-Atlantic Shale Extruded**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		3.10	4.44	6.94	5.84	5.27	5.12
5 Hour Submersion in Boiling Water (%)		5.10	6.26	8.60	7.63	7.09	6.94
Saturation Coefficient (Ratio of 24H to 5H)		0.61	0.71	0.81	0.77	0.74	0.73
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	14,012	16,529	10,812	10,288	12,878	12,904
	<i>MPa</i>	96.6	114.0	74.5	70.9	88.8	89.0
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	06/12/2013
IRA		6	7	8	9	10	Average
	<i>g/min/30 in.²</i>	21.8	18.4	34.0	29.3	27.1	26.1

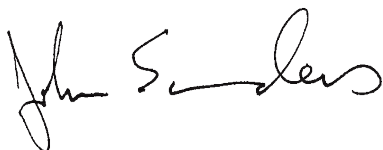
The brick represented by the test results shown here comply with the standards listed below:

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

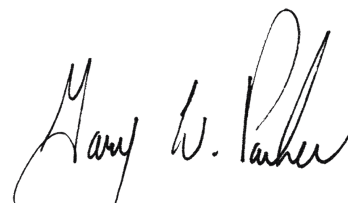
ASTM C 32 - 11 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)
Grade: SM, / MM, MS

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 Supervisor