

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

Testing Brick and Structural Clay Tile

06/06/2013

Name:	Glen-Gery Corporation PO Box 306 Marseilles, IL 61341	Plant:	Marseilles
Phone:	610-562-3076	Report Number:	GGMS-1241
Fax:	610-562-2084	Sampled Date:	04/10/2013
		Lot:	04304DA
		Product Code:	73606105

Sample Description: **Marseilles Clay/Shale w/ Additives Extruded - 652**

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	6.46	5.40	5.67	5.29	6.42	5.85	05/02/2013
5 Hour Submersion in Boiling Water (%)	7.54	6.44	6.94	6.38	7.43	6.95	
Saturation Coefficient (Ratio of 24H to 5H)	0.86	0.84	0.82	0.83	0.86	0.84	
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	13,940	10,142	12,609	12,156	11,634	12,096	05/02/2013
<i>MPa</i>	96.1	69.9	86.9	83.8	80.2	83.4	
Average % Void	26.1						05/14/2013
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		05/13/2013
IRA	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	13.2	19.4	11.3	14.8	13.1	14.4	05/14/2013

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

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

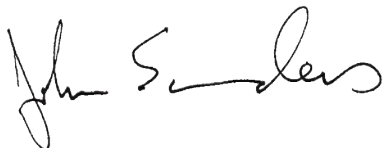
ASTM C 652 - 12 Standard Specification for Hollow Brick (Hollow Masonry Units Made From Clay or Shale)

Grade: SW, MW, with absorption alternate in section 5.1.2

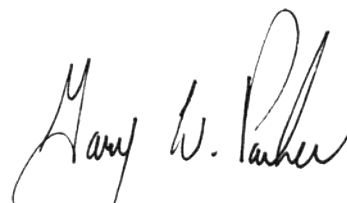
Class: H40V

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