

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 PO Box 306 Marseilles, IL 61341	Plant:	Marseilles
Phone:	610-562-3076	Report Number:	GGMS-1240
Fax:	610-562-2084	Sampled Date:	06/03/2013
		Lot:	06302DA
		Product Code:	73603105

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

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	5.81	6.79	5.92	6.57	5.96	6.21	06/20/2013
5 Hour Submersion in Boiling Water (%)	7.18	8.13	7.20	7.67	7.35	7.51	
Saturation Coefficient (Ratio of 24H to 5H)	0.81	0.84	0.82	0.86	0.81	0.83	
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	10,242	9,370	12,181	11,391	10,504	10,738	06/19/2013
<i>MPa</i>	70.6	64.6	84.0	78.5	72.4	74.0	
Average % Void	27.6						07/01/2013
Efflorescence	11	12	13	14	15		
	Not Effloresced		07/02/2013				
IRA	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	10.5	18.2	12.5	17.9	19.4	15.7	07/01/2013

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

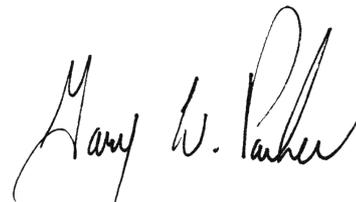
Class: H40V

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