





\*Temperature: 60 - 90F

\*Humidity: 30% - 70%

## **TEST REPORT**

100 Clemson Research Blvd. Anderson, SC 29625 (864) 656-1094 Fax: (864) 656-1095 www.brickandtile.org

## Results of Tests on Brick conducted in accordance with ASTM C67-14 Standard Method for Sampling and Testing

## Brick and Structural Clay Tile

11/13/2016

Plant:

Lot:

Report Number:

Received Date:

Sampled Date:

Name: Glen-Gery Corporation

433 South Pottsville Pike

Shoemakersville, PA 19555

Phone: 610-562-3076

Fax: 610-562-2084

0-562-3076 0-562-2084

Product Code: 73405100

Redfield

GGRF-0562

09/23/2016

08/29/2016

08653DA

Description: Redfield Shale w/Additives Extruded

							Test Date
Absorption	1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)	3.39	2.14	2.31	2.01	3.87	2.75	10/12/2016
5 Hour Submersion in Boiling Water (%)	4.48	2.30	2.43	2.15	4.59	3.19	
Saturation Coefficient (Ratio of 24H to 5H)	0.76	0.93	0.95	0.94	0.84	0.88	
Compressive Strength	1	2	3	4	5	Average	
psi	17,649	20,565	16,043	18,059	15,565	17,576	10/13/2016
MPa	121.7	141.8	110.6	124.5	107.3	121.2	
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		10/24/2016
IRA (Oven Dried Method)	6	7	8	9	10	Average	
g/min/30 in. <sup>2</sup>	3.2	2.5	2.7	5.3	4.2	3.6	11/04/2016

The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:

ASTM C 216 - 16 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)

Grade: SW, MW, with absorption alternate in section 7.1.2

ASTM C 32 - 13 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)

Grade: SM, SS / MM, MS, with absorption alternate in Section 5.1

ASTM C 62 - 13a Standard Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)

Grade: SW, MW, NW, with absorption alternate in section 5.1.2 CAN/CSA-A82-06 Fired masonry brick made from clay or shale

Grade: EG

Michael Walker, Quality Manager

\*The temperature and humidity of the Bishop Materials Laboratory is constantly kept between 60 -90F, and 30-70% RH

The results shown above apply only to the samples tested, which are provided by the customer.

This test report shall not be reproduced except in full, without written approval of the laboratory.

Lab Reference: 7181.15307 Page 1 of 1