

## TEST REPORT

*Results of Tests on brick Conducted in accordance with ASTM C67/C67M-18 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile*  
07/14/2025

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Glen-Gery Adel Plant
Phone:	(p) (610) 562-3076	Sampled Date:	05/22/2025
Report Number:	GGUBP2445	Fired Date:	04/10/2025
Description:	<b>Shale w/Additives Extruded Cored</b>		

Absorption	1	2	3	4	5	Average
<i>24 Hour Cold Water (%)</i>	3	2.9	3.3	3	3.2	3.1
<i>5 Hour Boiling Water (%)</i>	3.5	3.6	3.6	3.8	3.6	3.6
<i>Saturation Coefficient</i>	0.86	0.82	0.91	0.77	0.9	0.85

Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	21,766	17,148	19,293	19,874	22,557	20,128
<i>MPa</i>	150	118	133	137	156	139

IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.<sup>2</sup></i>	3.2	3.2	3.9	2.8	3.2	3.3

Efflorescence	1	2	3	4	5
<i>Efflorescence Detection</i>	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced

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

- ASTM 32 - 13 Standard Specification for Sewer and Manhole Brick (Made from Clay or Shale)  
Grades: SM - SS / MM - MS
- ASTM 62 - 17 Standard Specification for Building Brick (Solid Masonry Units Made From Clay or Shale)  
Class: SW - MW - NW
- ASTM 216 - 19 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grades: SW - MW
- CSA - A82-14 Fired Masonry brick made from clay or shale  
Class: EG - IG



Mike Krzyzanowski  
Technical Services Manager