

## 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*  
04/19/2022

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Hanley Plant		
Phone:	(p) (610) 562-3076	Sampled Date:	10/06/2021		
Report Number:	GGHNP498	Fired Date:	08/09/2021		
Description:	<b>Clay w/Additive Extruded Cored</b>				

  

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	3.4	3.7	3.7	4.1	3.6	3.7
5 Hour Boiling Water (%)	4.9	5.1	4.8	5.4	4.9	5.0
Saturation Coefficient	0.7	0.74	0.77	0.75	0.75	0.74

  

Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	15,393	15,148	16,294	15,095	13,568	15,100
<i>MPa</i>	106	104	112	104	94	104

  

IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.<sup>2</sup></i>	6.9	8.6	7.5	7.9	5.9	7.4

  

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