

## 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*  
05/10/2021

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Iberia Plant
Phone:	(p) (610) 562-3076	Sampled Date:	05/10/2020
Report Number:	10123-24836	Fired Date:	05/10/2020
Description:	<b>Shale Extruded Cored</b>		

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	2.6	3.3	3	3.9	2.7	3.1
5 Hour Boiling Water (%)	3.4	4.1	3.7	4.7	3.3	3.8
Saturation Coefficient	0.78	0.8	0.81	0.83	0.82	0.81

Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	16,419	13,161	15,757	11,513	13,954	14,161
<i>MPa</i>	113	91	109	79	96	98

IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.<sup>2</sup></i>	8.3	7.7	6	5.7	8.7	7.3

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