

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
09/07/2020

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Pittsburgh Plant
Phone:	(p) (610) 562-3076	Sampled Date:	08/31/2020
Report Number:	GGHRP396	Fired Date:	08/22/2020
Description:	Shale w/Additives Extruded Cored		

Absorption	1	2	3	4	5	Average
<i>24 Hour Cold Water (%)</i>	4.7	5.1	5.6	4.8	4.8	5.0
<i>5 Hour Boiling Water (%)</i>	6.4	6.8	7.3	6.4	6.5	6.7
<i>Saturation Coefficient</i>	0.74	0.75	0.77	0.74	0.73	0.75
Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	8,278	13,794	8,905	10,470	11,260	10,541
<i>MPa</i>	57	95	61	72	78	73
IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	13.1	13.6	13.9	16.7	17.7	15.0
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 / 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