

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
12/06/2021

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Pittsburgh Plant
		Sampled Date:	11/29/2021
Phone:	(p) (610) 562-3076	Fired Date:	11/19/2021
Report Number:	GGHRP593		
Description:	Shale Extruded Solid		

Absorption	1	2	3	4	5	Average
<i>24 Hour Cold Water (%)</i>	4.4	4.1	4.3	4.4	4.3	4.3
<i>5 Hour Boiling Water (%)</i>	6.1	5.9	6.1	6.2	6.1	6.1
<i>Saturation Coefficient</i>	0.71	0.69	0.71	0.71	0.71	0.71
Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	21,828	22,081	23,316	23,973	23,600	22,960
<i>MPa</i>	151	152	161	165	163	158
IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	9.5	8.6	12.4	7.9	9	9.5
Efflorescence	1	2	3	4	5	
<i>Efflorescence Detection</i>	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	
Abrasion Resistance	1	2	3	4	5	Average
	0.02	0.02	0.02	0.02	0.02	0.02
Breaking Load	1	2	3	4	5	Average
	972	939	850	948	983	938

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
- C902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick
Type: I - II - III
Class: SX - MX - NX
- CSA - A82-14 Fired Masonry brick made from clay or shale
Class: EG - IG
- C1272 The Standard Specification for Heavy Vehicular Paving Brick
Grade: R



Mike Krzyzanowski
Technical Services Manager