

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
08/11/2020

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Pittsburgh Plant			
Phone:	(p) (610) 562-3076	Sampled Date:	05/06/2020			
Report Number:	GGPB-0010	Fired Date:	11/26/2019			
Description:	Clay Extruded Solid					
Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	3.6	3.7	4.2	3.7	3.7	3.8
5 Hour Boiling Water (%)	3.9	3.9	4.5	3.9	3.9	4.0
Saturation Coefficient	0.93	0.93	0.94	0.94	0.95	0.94
Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	28,531	26,085	23,851	27,670	22,966	25,821
<i>MPa</i>	197	180	164	191	158	178
IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	3	3.2	3	3.5	2.7	3.1
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
	0.01	0.01	0.02	0.01	888	177.61
Breaking Load	1	2	3	4	5	Average
	1036	900	989	964		778

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
- 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