

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
		Sampled Date:	10/06/2021
Phone:	(p) (610) 562-3076	Fired Date:	07/13/2021
Report Number:	GGHNP502		
Description:	Clay/Shale Extruded Cored		

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	2.7	2.5	2.4	2.6	2.4	2.5
5 Hour Boiling Water (%)	3.6	3.1	3	3.4	2.8	3.2
Saturation Coefficient	0.77	0.83	0.82	0.78	0.84	0.81

Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	17,873	18,276	17,685	11,431	13,689	15,791
<i>MPa</i>	123	126	122	79	94	109

IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	3.6	4	2.9	4	3.5	3.6

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