

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
09/29/2020

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Hanley Plant
Phone:	(p) (610) 562-3076	Sampled Date:	06/25/2020
Report Number:	GGHA-1683	Fired Date:	06/23/2020
Description:	Clay Extruded Cored		

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	3.6	3.3	3.5	3.7	3.8	3.6
5 Hour Boiling Water (%)	4.3	4.1	4.5	4.5	4.8	4.4
Saturation Coefficient	0.83	0.81	0.77	0.81	0.8	0.80

Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	24,408	19,923	21,928	21,345	20,463	21,613
<i>MPa</i>	168	137	151	147	141	149

IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	5.5	5.7	4.9	4.9	7.1	5.6

Efflorescence	1	2	3	4	5
<i>Efflorescence Detection</i>	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced
<i>Brick Appearance</i>	N/A	N/A	N/A	N/A	N/A
<i>Brick Distribution</i>	N/A	N/A	N/A	N/A	N/A

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: 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