

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
03/05/2020

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Adel Plant
		Sampled Date:	02/22/2020
Phone:	(p) (610) 562-3076	Fired Date:	02/19/2020
Report Number:	GGAD-0035		
Description:	Shale Extruded Cored		

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	2.9	3.1	2.7	2.7	3.1	2.9
5 Hour Boiling Water (%)	3.2	3.7	2.8	2.8	3.7	3.2
Saturation Coefficient	0.91	0.83	0.96	0.94	0.83	0.89

Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	20,036	19,262	23,988	28,933	18,671	22,178
<i>MPa</i>	138	133	165	200	129	153

IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	3.7	4.4	2.1	3.4	4.8	3.7

Efflorescence	1	2	3	4	5
<i>Efflorescence Detection</i>	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced

Percent Void	1	2	3	4	5	Average
	21	21	22	21	22	21

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