

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
02/17/2020

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Adel Plant
		Sampled Date:	02/10/2020
Phone:	(p) (610) 562-3076	Fired Date:	02/08/2020
Report Number:	GGAD-0032		
Description:	Shale w/Additives Extruded Cored		

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	3.4	3.7	3.9	2.8	3	3.4
5 Hour Boiling Water (%)	3.8	5.3	5.1	3.1	3.7	4.2
Saturation Coefficient	0.89	0.7	0.75	0.91	0.81	0.81

Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	26,519	24,677	22,855	28,480	20,277	24,562
<i>MPa</i>	183	170	158	196	140	169

IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	5.4	5.5	5	3.7	3.1	4.5

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
	22	22	22	22	22	22

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