

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
03/30/2020

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Adel Plant
Phone:	(p) (610) 562-3076	Sampled Date:	03/22/2020
Report Number:	GGUBP89	Fired Date:	03/20/2020
Description:	Shale w/Additives Extruded Cored C652		

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	0.8	1.1	1.1	1	0.7	0.9
5 Hour Boiling Water (%)	0.9	1.2	1.3	1.1	0.8	1.1
Saturation Coefficient	0.84	0.92	0.86	0.88	0.89	0.88
Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	27,093	18,496	25,928	25,034	22,416	23,793
<i>MPa</i>	187	128	179	173	155	164
IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	1.3	1.4	1.4	1.4	1.5	1.4
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
	27	27	27	27	27	27

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
- C652 - 19b Standard Specification for Hollow Brick (Hollow Masonry Units Made from Clay or Shale)
Grade: SW - MW
Class: H40V
- CSA - A82-14 Fired Masonry brick made from clay or shale
Class: EG - IG



Mike Krzyzanowski
Technical Services Manager