

## 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*  
03/01/2022

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Sergeant Bluff Plant
		Sampled Date:	02/17/2022
Phone:	(p) (610) 562-3076	Fired Date:	02/03/2022
Report Number:	GGSBP711		
Description:	<b>Clay Extruded Cored C652</b>		

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	2.6	2.8	3	2.9	2.6	2.8
5 Hour Boiling Water (%)	2.8	3	3.2	3	2.9	3.0
Saturation Coefficient	0.95	0.95	0.95	0.94	0.91	0.94
Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	19,751	19,526	20,514	20,465	21,213	20,294
<i>MPa</i>	136	135	141	141	146	140
IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.<sup>2</sup></i>	2.4	2.3	1.7	1.7	2.4	2.1
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
	26	26	26	26	26	26

**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