

## 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*  
04/19/2022

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Mid-Atlantic Plant			
Phone:	(p) (610) 562-3076	Sampled Date:	04/05/2022			
Report Number:	GMAP735	Fired Date:	04/04/2022			
Description:	<b>Shale Extruded Solid</b>					
<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
24 Hour Cold Water (%)	1.8	1.7	1.9	1.9	2.4	1.9
5 Hour Boiling Water (%)	3.5	3.3	3.5	3.6	4.1	3.6
Saturation Coefficient	0.53	0.52	0.53	0.54	0.59	0.54
<b>Compressive Strength</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
<i>psi</i>	21,743	25,072	20,217	24,466	24,062	23,112
<i>MPa</i>	150	173	139	169	166	159
<b>IRA (Oven Dried Method)</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
<i>g/min/30 in.<sup>2</sup></i>	10.4	8	12.3	13.3	11.6	11.1
<b>Efflorescence</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	
<i>Efflorescence Detection</i>	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	
<b>Abrasion Resistance</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
	0.01	0.01	0.01	0.01	0.01	0.01
<b>Breaking Load</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
	1332	1405	1065	852	329	997

**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
- C902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick  
Type: I - II - III  
Class: SX - MX - NX
- CSA - A82-14 Fired Masonry brick made from clay or shale  
Class: EG - IG
- C1272 The Standard Specification for Heavy Vehicular Paving Brick  
Grade: R



Mike Krzyzanowski  
Technical Services Manager