

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
06/15/2020

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Lawrenceville Plant
Phone:	(p) (610) 562-3076	Sampled Date:	06/05/2020
Report Number:	GGLA-0010	Fired Date:	06/01/2020
Description:	Clay/Shale Extruded Cored		

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	5.9	5.3	5.7	5.7	5.8	5.7
5 Hour Boiling Water (%)	8.6	7.8	8.3	8.3	8.5	8.3
Saturation Coefficient	0.69	0.68	0.69	0.69	0.68	0.69
Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	10,837	12,833	12,074	9,438	12,833	11,603
<i>MPa</i>	75	89	83	65	89	80
IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	21.9	19.2	21.7	20.3	15.5	19.7
Efflorescence	1	2	3	4	5	
<i>Efflorescence Detection</i>	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	
Abrasion Resistance	1	2	3	4	5	Average
	0.05	0.04	0.05	0.06	0.05	0.05

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 / 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: F



Mike Krzyzanowski
Technical Services Manager