Glen-Gery

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

11/30/2022

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant: Sampled Date: Fired Date:	Glen-Gery Adel Plant 10/25/2022 09/23/2022
Phone:	(p) (610) 562-3076		
Report Number:	GGUBP987		
Description:	**Shale w/Additives Extruded Solid**		

Absorption	**1**	**2**	**3**	**4**	**5**	**Average**
24 Hour Cold Water (%)	1.4	1.9	1.9	1.6	1.9	1.7
5 Hour Boiling Water (%)	2.3	3.4	3.3	2.9	3.3	3.0
Saturation Coefficient	0.59	0.55	0.59	0.56	0.58	0.57

Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**
psi	30,603	27,830	30,913	25,036	31,515	29,179
MPa	211	192	213	173	217	201

IRA (Oven Dried Method)	**1**	**2**	**3**	**4**	**5**	**Average**
g/min/30 in.²	3.0	3.7	3.0	2.8	2.9	3.1

Efflorescence	**1**	**2**	**3**	**4**	**5**
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced

Abrasion Resistance	**1**	**2**	**3**	**4**	**5**	**Average**
	0.00	0.01	0.01	0.01	0.01	0.01

Breaking Load	**1**	**2**	**3**	**4**	**5**	**Average**
	771	1211	440	1340	814	915

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