

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
03/08/2024

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Glen-Gery Adel Plant
Phone:	(p) (610) 562-3076	Sampled Date:	12/20/2023
Report Number:	GGUBP1518	Fired Date:	08/08/2023
Description:	Shale w/Additives Extruded Cored	Cert Provided for Item:	CARBON BLACK MS RB
		ASTM Type:	C216 - Type FBX

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	1.3	1.2	0.9	1.2	1.3	1.2
5 Hour Boiling Water (%)	2.3	2.0	1.2	2.1	1.8	1.9
Saturation Coefficient	0.56	0.60	0.77	0.59	0.73	0.65
Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	23,553	25,061	23,968	25,160	21,280	23,804
<i>MPa</i>	162	173	165	174	147	164
IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	3.2	2.9	2.9	2.6	2.5	2.8
Efflorescence	1	2	3	4	5	
<i>Efflorescence Detection</i>	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	

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
- CSA - A82-14 Fired Masonry brick made from clay or shale
Class: EG - IG



Mike Krzyzanowski
Technical Services Manager