

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
08/31/2020

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Lawrenceville Plant
Phone:	(p) (610) 562-3076	Sampled Date:	08/10/2020
Report Number:	GGLA-0036	Fired Date:	08/05/2020
Description:	Clay/Shale w/Additives Extruded Cored		

Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	4.4	4.7	5.6	4.9	5.2	5.0
5 Hour Boiling Water (%)	6.6	6.8	8	7.1	7.4	7.2
Saturation Coefficient	0.66	0.7	0.71	0.69	0.69	0.69
Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	12,814	13,788	11,570	13,200	11,905	12,655
<i>MPa</i>	88	95	80	91	82	87
IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	20.5	18.1	17.9	15.8	17.9	18.0
Efflorescence	1	2	3	4	5	
<i>Efflorescence Detection</i>	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	
<i>Brick Appearance</i>	N/A	N/A	N/A	N/A	N/A	
<i>Brick Distribution</i>	N/A	N/A	N/A	N/A	N/A	

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



Mike Krzyzanowski
Technical Services Manager