

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
08/24/2020

Name:	Glen-Gery Technical Services 433 South Pottsville Pike Shoemakersville, PA, 19555-0340	Plant:	Marseilles Plant			
Phone:	(p) (610) 562-3076	Sampled Date:	08/17/2020			
Report Number:	GMMP382	Fired Date:	08/16/2020			
Description:	Clay/Shale w/Additives Extruded Cored					
Absorption	1	2	3	4	5	Average
24 Hour Cold Water (%)	5.2	5.4	5.6	4.3	4.7	5.0
5 Hour Boiling Water (%)	6.5	6.7	6.9	5.5	5.7	6.3
Saturation Coefficient	0.8	0.8	0.82	0.78	0.83	0.81
Compressive Strength	1	2	3	4	5	Average
<i>psi</i>	16,328	19,012	19,011	21,319	18,071	18,748
<i>MPa</i>	113	131	131	147	125	129
IRA (Oven Dried Method)	1	2	3	4	5	Average
<i>g/min/30 in.²</i>	4.2	4.2	4.6	8.3	10	6.3
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 / 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