



**TEST REPORT**

100 Clemson Research Blvd.  
Anderson, SC 29625  
(864) 656-1094  
Fax: (864) 656-1095  
www.brickandtile.org

**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**

09/30/2020

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, 44702	Plant:	Canton
Phone:	330-456-0031	Report Number:	9677-23434
Fax:	330-456-2694	Received Date:	8/6/2020
		Sampled Date:	8/6/2020

\*Temperature: 60 - 90F  
\*Humidity: 30% - 70%

Description: **PLT 8 ALL SHALE, FINE GRIND, NO ADDITIVE**

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	3.98	4.09	3.99	3.81	2.72	3.72	8/7/2020
5 Hour Boiling Water (%)	6.19	5.81	6.33	5.83	4.22	5.68	
Saturation Coefficient	0.64	0.70	0.63	0.65	0.64	0.66	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	19,376	19,453	17,842	16,763	18,097	18,306	8/7/2020
MPa	133.5	134.1	123.0	115.5	124.7	126.2	

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. <sup>2</sup>	6.0	4.1	4.0	6.7	3.0	4.7	8/12/2020

Average % Void						Average	Test Date
						23.5	8/11/2020

Efflorescence	1	2	3	4	5	Test Date
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	9/23/2020

**The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:**

ASTM C 216 - 19 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW

Michael Walker, Quality Manager

*\*The temperature and humidity of the Bishop Materials Laboratory is constantly kept between 60 -90F, and 30-70% RH  
The results shown above apply only to the samples tested, which are provided by the customer.  
This test report shall not be reproduced except in full, without written approval of the laboratory.*