



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 C 67-18 Standard Test Methods for Sampling and

Testing Brick and Structural Clay Tile

07/19/2019

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton , OH 44702	Plant:	Canton	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	8929-20993	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	06/25/2019	
		Sampled Date:	06/25/2019	
		Lot:		
		Product Code:		

Sample Description: **PLT 2, ALL SHALE SPECTRUM SERIES CLEAR FIRE (FACE)**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		1.20	1.08	1.05	1.23	1.12	1.14
5 Hour Submersion in Boiling Water (%)		1.28	1.19	1.14	1.35	1.22	1.23
Saturation Coefficient (Ratio of 24H to 5H)		0.94	0.91	0.93	0.91	0.92	0.92
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	19,143	27,167	27,322	28,108	20,607	24,469
	<i>MPa</i>	132.0	187.3	188.4	193.8	142.1	168.7
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	07/10/2019
IRA (Oven Dried Method)		6	7	8	9	10	Average
	<i>g/min/30 in.²</i>	2.6	2.4	2.3	2.5	2.4	2.4
Average % Void		21.1					07/15/2019

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

ASTM C 216 - 17a 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.