



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 67-16 Standard Test Methods for Sampling and

Testing Brick and Structural Clay Tile

07/25/2017

Name:	The Belden Brick Company P. O. Box 430 Sugarcreek , OH 44681	Plant:	The Belden Brick Company	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	7664-16936	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	07/07/2017	
		Sampled Date:	07/07/2017	
		Lot:		
		Product Code:		

Sample Description: **PLT 2, SHALE/FIRECLAY SPECTRUM SERIES REDUCED FIRE (FACE)**

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	1.34	1.44	1.11	1.47	1.55	1.39	07/17/2017
5 Hour Submersion in Boiling Water (%)	1.74	1.54	1.25	1.78	1.68	1.60	
Saturation Coefficient (Ratio of 24H to 5H)	0.77	0.94	0.89	0.83	0.92	0.87	
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	23,198	24,308	25,493	24,812	23,831	24,328	07/20/2017
<i>MPa</i>	159.9	167.6	175.8	171.1	164.3	167.7	
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		07/25/2017
IRA (Oven Dried Method)	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	1.6	2.6	1.9	2.0	2.2	2.1	07/21/2017
Average % Void	19.5						07/19/2017

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

ASTM C 216 - 17 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.