

**Results of Tests on brick Conducted in accordance with C67/C67M - 21 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

07/20/2022

Name:	The Belden Brick Company	Plant:	Sugarcreek
	P. O. Box 430	Sampled Date:	6/14/2022
	Sugarcreek, OH 44681	Received Date:	6/14/2022
Phone:	330-456-0031	Fired Date:	6/14/2022
Fax:	330-456-2694	Product Code:	
Report Number:	10865-27008	Lot Number:	

Description: **PLT 4 SHALE & FIRECLAY IRONSPOT**

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	2.0	3.1	2.0	1.8	1.8	2.1	6/16/2022
5 Hour Boiling Water (%)	2.7	4.2	2.8	2.1	2.2	2.8	
Saturation Coefficient	0.74	0.73	0.70	0.84	0.79	0.76	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	20,830	14,410	16,500	15,070	16,120	16,590	6/16/2022

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. <sup>2</sup>	2.2	2.1	2.5	1.3	3.9	2.4	6/22/2022

Efflorescence	11	12	13	14	15	Test Date
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	6/27/2022

Void Area	1	2	3	4	5	Average	Test Date
Void Area (%)	16	17	17	16	17	16	6/21/2022

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

C 216 - 21 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW

*Katherine Hill*  
Katherine Hill, 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.*