

**TEST REPORT**

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**Results of Tests on brick Conducted in accordance with C67/C67M - 23a Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

07/11/2024

Name:	The Belden Brick Company P. O. Box 430 Sugar creek, OH 44681	Plant:	Sugarcreek
Phone:	330-456-0031	Sampled Date:	6/25/2024
Fax:	330-456-2694	Received Date:	6/25/2024
Report Number:	12920-32068	Fired Date:	6/25/2024

Description: **PLT 4, ALL FIRECLAY W/ADDITIVE IRONSPOT**

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	2.7	2.3	2.6	4.2	2.4	2.8	7/1/2024
5 Hour Boiling Water (%)	3.7	2.9	3.3	6.0	2.8	3.7	
Saturation Coefficient	0.74	0.80	0.78	0.71	0.86	0.78	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	20,730	24,230	21,240	18,510	20,120	20,970	6/28/2024

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. <sup>2</sup>	4.2	4.9	6.8	2.3	2.8	4.2	7/1/2024

Efflorescence	11	12	13	14	15	Test Date
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	7/9/2024

Void Area	1	2	3	4	5	6	7	8	9	10	Average	Test Date
Void Area (%)	17	17	17	17	17	17	17	17	17	17	17	6/28/2024

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

ASTM C216 - 23 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.  
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