



TEST REPORT

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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

06/29/2018

Name:	The Belden Brick Company P. O. Box 430 Sugar creek , OH 44681	Plant:	Sugarcreek	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	8253-18886	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	05/29/2018	
		Sampled Date:	05/29/2018	
		Lot:		
		Product Code:		

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

							Test Date	
Absorption		1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)		2.33	2.92	2.48	2.47	2.16	2.47	06/01/2018
5 Hour Submersion in Boiling Water (%)		3.52	3.86	3.48	3.23	2.94	3.41	
Saturation Coefficient (Ratio of 24H to 5H)		0.66	0.76	0.71	0.76	0.73	0.73	
Compressive Strength		1	2	3	4	5	Average	
	<i>psi</i>	16,511	20,642	18,471	14,859	18,703	17,837	06/01/2018
	<i>MPa</i>	113.8	142.3	127.4	102.5	129.0	123.0	
Efflorescence		11	12	13	14	15		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		06/11/2018
IRA (Oven Dried Method)		6	7	8	9	10	Average	
	<i>g/min/30 in.²</i>	1.8	1.5	1.8	2.6	3.2	2.2	06/13/2018
Average % Void		17.3						06/13/2018

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.