



TEST REPORT

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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

05/22/2018

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton , OH 44702	Plant:	Canton	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	8202-18700	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	04/27/2018	
		Sampled Date:	04/27/2018	
		Lot:		
		Product Code:		

Sample Description: **PLT 8, ALL FIRECLAY, FINE GRIND, W/ADDITIVE**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		2.33	1.98	2.30	1.84	2.19	2.13
5 Hour Submersion in Boiling Water (%)		2.63	2.28	2.49	2.05	2.54	2.40
Saturation Coefficient (Ratio of 24H to 5H)		0.89	0.87	0.92	0.90	0.86	0.89
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	20,858	18,208	19,622	18,997	17,701	19,077
	<i>MPa</i>	143.8	125.5	135.3	131.0	122.0	131.5
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	05/10/2018
IRA (Oven Dried Method)		6	7	8	9	10	Average
	<i>g/min/30 in.²</i>	3.2	4.4	4.0	4.5	3.5	3.9
Average % Void		24.1					05/02/2018
Abrasion Resistance		1	2	3	4	5	Average
		0.01	0.01	0.01	0.01	0.01	0.01

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

ASTM C 902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX

Type: I, II, III

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.
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