



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

07/19/2017

Name:	The Belden Brick Company P. O. Box 430 Sugar creek , OH 44681	Plant:	The Belden Brick Company	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	7638-16805	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	06/26/2017	
		Sampled Date:	06/26/2017	
		Lot:		
		Product Code:		

Sample Description: **PLT 8, SHALE - NO ADDITIVE 75% FINE 25% COARSE**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		3.11	3.90	3.17	3.83	3.27	3.45
5 Hour Submersion in Boiling Water (%)		3.36	4.48	3.37	4.40	3.41	3.80
Saturation Coefficient (Ratio of 24H to 5H)		0.93	0.87	0.94	0.87	0.96	0.91
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	19,585	17,140	18,204	15,364	16,489	17,356
	<i>MPa</i>	135.0	118.2	125.5	105.9	113.7	119.7
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	07/11/2017
IRA (Oven Dried Method)		6	7	8	9	10	Average
	<i>g/min/30 in.²</i>	4.3	3.6	5.5	4.4	5.3	4.6
Average % Void		23.4					07/11/2017
Abrasion Resistance		1	2	3	4	5	Average
		0.02	0.02	0.02	0.02	0.02	0.02

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

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.

This test report shall not be reproduced except in full, without written approval of the laboratory.