



TEST REPORT

100 Clemson Research Blvd.
Anderson, SC 29625
(864) 656-1094
Fax: (864) 656-1095
www.brickandtile.org

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

05/16/2018

Name:	The Belden Brick Company P. O. Box 430 Sugar creek , OH 44681	Plant:	Sugarcreek	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	8207-18726	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	05/02/2018	
		Sampled Date:	05/02/2018	
		Lot:		
		Product Code:		

Sample Description: **PLT 2, FIRECLAY W/ADDITIVE PAVER, 2-1/4)**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		2.34	2.60	2.74	2.84	2.22	2.55
5 Hour Submersion in Boiling Water (%)		3.35	3.60	3.77	3.84	3.27	3.56
Saturation Coefficient (Ratio of 24H to 5H)		0.70	0.72	0.73	0.74	0.68	0.71
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	19,534	19,426	19,917	22,743	22,420	20,808
	<i>MPa</i>	134.7	133.9	137.3	156.8	154.6	143.5
Breaking Load		6	7	8	9	10	Average
	<i>(lb/in.)</i>	945	973	1,067	1,014	1,004	1,001
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	05/15/2018
IRA (Oven Dried Method)		6	7	8	9	10	Average
	<i>g/min/30 in.²</i>	3.1	3.4	3.3	3.9	3.5	3.4
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 1272 - 17 Standard Specification for Heavy Vehicular Paving Brick
Type: R

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.*