



**TEST REPORT**

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

*Results of Tests on Brick conducted in accordance with ASTM C67-13 Standard Method for Sampling and Testing*

*Brick and Structural Clay Tile*

10/12/2014

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton , OH 44702	Plant:	The Belden Brick Company	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	5699.10562	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	06/09/2014	
		Sampled Date:	06/09/2014	
		Lot:		
		Product Code:	706008295	

Sample Description: **PLT 6, ALL FIRECLAY, W/ADDITIVE (PAVER, 2-3/4")**

						Average	Test Date	
<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>			
24 Hour Submersion in Cold Water (%)	4.00	3.93	4.02	4.14	4.28	4.08	06/17/2014	
5 Hour Submersion in Boiling Water (%)	4.38	4.37	4.36	4.48	4.62	4.44		
Saturation Coefficient (Ratio of 24H to 5H)	0.91	0.90	0.92	0.93	0.93	0.92		
*Measurement Uncertainty ± 0.55 %		*The 1 and 2 hour boiled water absorption tests are not required by the customer						
<b>Compressive Strength</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>		
<i>psi</i>	18,658	24,514	20,483	23,208	19,652	21,303	06/17/2014	
<i>MPa</i>	128.6	169.0	141.2	160.0	135.5	146.9		
*Measurement Uncertainty ± 231 psi								
<b>Efflorescence</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>			
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		06/24/2014	
<b>Abrasion Resistance</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>		
	0.02	0.02	0.02	0.02	0.02	0.02	06/24/2014	

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

ASTM C 1272 - 14 Standard Specification for Heavy Vehicular Paving Brick

Type: R

ASTM C 902 - 14 Standard Specification for Pedestrian and Light Traffic Paving Brick

Class: SX, MX, NX, with absorption alternate in section 4.1.1.1

Type: I, II, III

John Sanders, Ph.D., PE, Director

Gary W. Parker, Laboratory Supervisor

\*This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2

\*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.