



**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 C67-14 Standard Method for Sampling and Testing*

*Brick and Structural Clay Tile*

10/11/2016

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:	7145-15168	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	08/26/2016	
		Sampled Date:	08/26/2016	
		Lot:	03-16-22	
		Product Code:	03370P02014A0B3	

Sample Description: **PLT 3, SHALE & FIRECLAY, W/ADDITIVE**

							Test Date
<b>Absorption</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
24 Hour Submersion in Cold Water (%)		3.46	3.78	3.82	3.56	3.71	3.67 09/01/2016
5 Hour Submersion in Boiling Water (%)		7.14	7.80	7.91	7.45	7.80	7.62
Saturation Coefficient (Ratio of 24H to 5H)		0.48	0.48	0.48	0.48	0.48	0.48
<b>Compressive Strength</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
	<b>psi</b>	11,036	10,515	10,751	10,688	10,154	10,629 09/01/2016
	<b>MPa</b>	76.1	72.5	74.1	73.7	70.0	73.3
<b>Breaking Load</b>		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>
	<b>(lb/in.)</b>	922	1,438	1,013	1,167	1,226	1,153 09/19/2016
<b>IRA (Oven Dried Method)</b>		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>
	<b>g/min/30 in.<sup>2</sup></b>	14.0	10.2	10.4	9.9	8.3	10.6 09/19/2016
<b>Abrasion Resistance</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
		0.03	0.04	0.04	0.03	0.04	0.03 09/19/2016

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

ASTM C 1272 - 16 Standard Specification for Heavy Vehicular Paving Brick  
Type: R, F

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.*



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		Lot:	03-16-22	
		Product Code:	03370P02014A0B3	

Sample Description: **PLT 3, SHALE & FIRECLAY, W/ADDITIVE (Thin Brick)**

						Test Date
<b>Efflorescence</b>	11	12	13	14	15	
	Not Effloresced	Effloresced	Effloresced	Effloresced	Effloresced	09/13/2016

**Efflorescence Report**

<b>Sample</b>	<b>Rating</b>	<b>Appearance</b>	<b>Distribution</b>
11	Not effloresced	N/A	N/A
12	Effloresced	Light	Head / Bed
13	Effloresced	Light	Head / Bed
14	Effloresced	Light	Bed
15	Effloresced	Light	Head / Bed

Michael Walker, Quality Manager