

*Results of Tests on Brick conducted in accordance with ASTM C67-11 Standard Method for Sampling and*

*Testing Brick and Structural Clay Tile*

05/11/2012

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, OH 44702	Plant:	The Belden Brick Company
Phone:	330-456-0031	Report Number:	BBC-0180
Fax:	330-456-2694	Sampled Date:	03/13/2012
		Lot:	
		Product Code:	706005320

Sample Description: **Plant 6, All Shale (No Additive) Paver 2 3/4"**

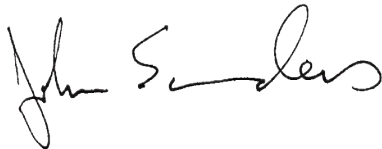
							Test Date
<b>Absorption</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
24 Hour Submersion in Cold Water (%)		2.78	1.18	2.52	2.04	1.69	2.04
5 Hour Submersion in Boiling Water (%)		4.41	1.41	3.69	2.22	1.90	2.72
Saturation Coefficient (Ratio of 24H to 5H)		0.63	0.84	0.68	0.92	0.89	0.79
<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>	31,638	31,988	32,404	28,684	31,764	31,295
	<i>MPa</i>	218.1	220.5	223.4	197.8	219.0	215.8
<b>Breaking Load</b>		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>
	<i>(lb/in.)</i>	2,495	2,809	2,622	2,506	2,733	2,633
<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	05/07/2012
<b>IRA</b>		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>
	<i>g/min/30 in.<sup>2</sup></i>	3.0	3.5	3.7	1.5	1.8	2.7
<b>Abrasion Resistance</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
		0.01	0.00	0.01	0.01	0.01	0.01

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

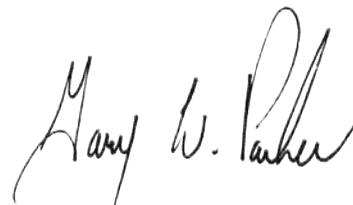
ASTM C 1272 - 11 Standard Specification for Heavy Vehicular Paving Brick  
Type: R, F

ASTM C 902 - 10 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