

**THE NATIONAL BRICK RESEARCH CENTER**

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*Results of Tests on Brick conducted in accordance with ASTM C67-07 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)*





06/26/2009

COMPANY INFORMATION	
Name:	The Belden Brick Company P. O. Box 430 475 Dover Road, NW Sugar creek, OH 44681
Plant:	The Belden Brick Company
Sample:	<b>Plant 8 - Shale</b>
Report #:	BBC-0065
Lot:	Product Code:

							Test Date
<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
<i>24 Hour Submersion in Cold Water (%)</i>	3.85	3.09	2.55	2.51	2.75	2.95	06/01/2009
<i>5 Hour Submersion in Boiling Water (%)</i>	4.65	3.45	2.80	3.26	3.14	3.46	
<i>Saturation Coefficient (Ratio of 24 H to 5 H)</i>	0.83	0.89	0.91	0.77	0.88	0.86	
<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>	14,565	15,219	16,557	14,212	16,464	15,403	06/02/2009
<i>MPa</i>	100.4	104.9	114.2	98.0	113.5	106	
<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		06/09/2009
<b>IRA</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
<i>g/min</i>	2.63	2.33	3.60	3.21	3.75	3.11	06/03/2009

***The brick represented by the test results shown here comply with the standards listed below:***  
 ASTM C 216 - 07 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
 Grade: SW, MW with absorption alternate in section 6.1.2

CERTIFICATION	
 Denis Brosnan, Director	 Jim Frederic, Associate Director