

**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)*





07/08/2008

COMPANY INFORMATION	
Name:	The Belden Brick Company P. O. Box 430 475 Dover Road, NW Sugarcreek, OH 44681
Plant:	The Belden Brick Company
Sample:	<b>Plant 8 - Shale and Fireclay, with Additives, Coarse Grind</b>
Report #:	BBC-0035
Lot:	Product Code:

							Test Date
<b>Absorption</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>Average</b>	
24 Hour Submersion in Cold Water (%)	3.89	4.37	4.12	3.45	4.36	4.04	06/03/2008
5 Hour Submersion in Boiling Water (%)	4.55	5.23	4.86	3.91	5.15	4.74	
Saturation Coefficient (Ratio of 24 H to 5 H)	0.85	0.84	0.85	0.88	0.85	0.85	
<b>Compressive Strength</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>Average</b>	
psi	11,622	12,745	10,567	13,172	11,975	12,016	06/19/2008
MPa	80.1	87.9	72.9	90.8	82.6	83	
<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		06/18/2008
<b>IRA</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
g/min	7.33	6.06	7.85	8.27	6.87	7.28	05/30/2008

**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