

**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 - All Fireclay, with Additive, Coarse Grind - Gray</b>
Report #:	BBC-0033
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 (%)	3.09	3.12	3.04	3.15	3.09	3.10	06/03/2008
5 Hour Submersion in Boiling Water (%)	3.66	3.67	3.64	3.65	3.58	3.64	
Saturation Coefficient (Ratio of 24 H to 5 H)	0.84	0.85	0.83	0.86	0.86	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	11,769	12,075	14,454	12,320	13,504	12,824	06/19/2008
MPa	81.1	83.3	99.7	84.9	93.1	88	
<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	4.83	4.40	4.55	4.39	4.47	4.53	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