

**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)*





07/21/2008

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, No Additives, Fine Grind (30% Shale / 70% Fireclay)</b>
Report #:	BBC-0041
Lot:	Product Code:

	11	12	13	14	15	Average	Test Date
<b>Absorption</b>							
24 Hour Submersion in Cold Water (%)	3.19	3.17	2.68	3.32	3.50	3.17	07/08/2008
5 Hour Submersion in Boiling Water (%)	3.58	3.75	3.27	3.57	3.86	3.61	
Saturation Coefficient (Ratio of 24 H to 5 H)	0.89	0.85	0.82	0.93	0.91	0.88	
<b>Compressive Strength</b>							
psi	14,783	17,807	14,784	14,873	14,846	15,419	07/08/2008
MPa	101.9	122.8	101.9	102.5	102.4	106	
<b>Efflorescence</b>							
	Not effloresced	Not effloresced	Not effloresced	Not effloresced	Not effloresced		07/16/2008
<b>IRA</b>							
g/min	4.29	5.40	4.79	5.33	5.72	5.10	07/10/2008

**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  
 Type: FBS

CERTIFICATION	
 Denis Brosnan, Director	 Jim Frederic, Associate Director