

**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 Sugar creek, OH 44681
Plant:	The Belden Brick Company
Sample:	<b>Plant 4- Shale and Fireclay, No Additive</b>
Report #:	BBC-0037
Lot:	Product Code:

	11	12	13	14	15	Average	Test Date
<b>Absorption</b>							
24 Hour Submersion in Cold Water (%)	3.68	2.40	2.46	3.35	3.79	3.14	06/03/2008
5 Hour Submersion in Boiling Water (%)	5.21	2.90	3.12	4.93	5.13	4.26	
Saturation Coefficient (Ratio of 24 H to 5 H)	0.71	0.83	0.79	0.68	0.74	0.75	
<b>Compressive Strength</b>							
psi	8,716	12,224	15,790	11,683	14,659	12,615	05/30/2008
MPa	60.1	84.3	108.9	80.6	101.1	87	
<b>Efflorescence</b>							
	Not effloresced	Not effloresced	Not effloresced	Not effloresced	Not effloresced		06/17/2008
<b>IRA</b>							
g/min	2.91	4.05	3.96	4.91	7.30	4.63	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  
Type: FBS

CERTIFICATION	
 Denis Brosnan, Director	 Jim Frederic, Associate Director