

**THE NATIONAL BRICK RESEARCH CENTER**

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*Results of Tests on Brick conducted in accordance with ASTM C67-07 Standard Method for Sampling and Testing*



*Brick and Structural Clay Tile*

05/29/2008

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 3, Fireclay (With Additive)</b>
Report #:	BBC-0024
Lot:	Product Code:

	11	12	13	14	15	Average	Test Date
<b>Absorption</b>							
24 Hour Submersion in Cold Water (%)	6.05	6.93	5.53	2.60	2.74	4.77	04/29/2008
5 Hour Submersion in Boiling Water (%)	9.47	10.79	9.27	4.06	4.34	7.59	
Saturation Coefficient (Ratio of 24 H to 5 H)	0.64	0.64	0.60	0.64	0.63	0.63	
<b>Compressive Strength</b>							
psi	7,325	6,930	7,086	12,077	10,684	8,820	05/01/2008
MPa	50.5	47.8	48.9	83.3	73.7	61	
<b>Efflorescence</b>							
	Not effloresced	Not effloresced	Not effloresced	Not effloresced	Not effloresced		05/08/2008
<b>IRA (g/min)</b>							
	6	7	8	9	10	Average	
	9.81	20.27	11.52	20.26	33.22	19.02	11/30/2007
<b>Abrasion Resistance</b>							
	1	2	3	4	5	Average	
	0.08	0.10	0.08	0.02	0.03	0.06	11/30/2007

**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  
Type: FBA

ASTM C 902 - 07 Standard Specification for Pedestrian and Light Traffic Paving Brick  
Class: SX, MX, NX Molded Brick 4.1.4  
Type: I

CERTIFICATION	
Denis Brosnan, Director	Jim Frederic, Associate Director