

THE NATIONAL BRICK RESEARCH CENTER

100 Clemson Research Blvd.
Anderson, SC 29625
(864) 656-1094
Fax: (864) 656-1095
www.brickandtile.org



Results of Tests on Brick conducted in accordance with ASTM C67-08 Standard Method for Sampling and Testing

Brick and Structural Clay Tile

06/21/2010

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, OH 44702	Plant:	The Belden Brick Company
Phone:	330-456-0031	Report Number:	BBC-0086
Fax:	330-456-2694	Sampled Date:	06/03/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 3, Fireclay, w/Additive**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		5.21	5.36	5.40	5.04	4.68	5.14
5 Hour Submersion in Boiling Water (%)		8.56	8.78	8.85	8.34	7.87	8.48
Saturation Coefficient (Ratio of 24H to 5H)		0.61	0.61	0.61	0.60	0.59	0.61
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	10,313	10,432	9,833	9,204	9,271	9,810
	<i>MPa</i>	71.1	71.9	67.8	63.5	63.9	67.6
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	06/21/2010
IRA		6	7	8	9	10	Average
	<i>g/min</i>	18.3	11.5	13.7	12.1	12.0	13.5
Abrasion Resistance		1	2	3	4	5	Average
		0.05	0.05	0.05	0.05	0.05	0.05

The brick represented by the test results shown here comply with the standards listed below:

ASTM C 216 - 07a Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW

ASTM C 902 - 09 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX with **Molded Brick Alternate 4.1.5**

Type: I

Denis Brosnan, Director

Greg Grabert, Ph.D., Associate Director of Technical Services