

THE NATIONAL BRICK RESEARCH CENTER

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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-0088
Fax:	330-456-2694	Sampled Date:	06/03/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 3, Fireclay, No Additive**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		4.67	4.92	4.66	4.97	4.63	4.77
5 Hour Submersion in Boiling Water (%)		7.27	8.21	7.35	8.34	7.94	7.82
Saturation Coefficient (Ratio of 24H to 5H)		0.64	0.60	0.63	0.60	0.58	0.61
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	10,394	9,727	9,280	10,092	11,419	10,182
	<i>MPa</i>	71.7	67.1	64.0	69.6	78.7	70.2
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>	13.1	15.6	11.0	16.8	7.5	12.8
Abrasion Resistance		1	2	3	4	5	Average
		0.04	0.05	0.05	0.05	0.04	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, III

Denis Brosnan, Director

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