

THE NATIONAL BRICK RESEARCH CENTER

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07/15/2010

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, OH 44702	Plant:	The Belden Brick Company
Phone:	330-456-0031	Report Number:	BBC-0093
Fax:	330-456-2694	Sampled Date:	06/30/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 6, Fireclay & Shale w/Additive**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		4.58	4.68	4.71	4.76	4.76	4.70 07/08/2010
5 Hour Submersion in Boiling Water (%)		5.35	5.40	5.52	5.56	5.52	5.47
Saturation Coefficient (Ratio of 24H to 5H)		0.85	0.87	0.85	0.86	0.86	0.86
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	15,136	14,834	16,203	15,187	15,079	15,288 07/08/2010
	<i>MPa</i>	104.4	102.3	111.7	104.7	104.0	105.4
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	07/15/2010
IRA		6	7	8	9	10	Average
	<i>g/min</i>	8.3	8.3	8.5	8.8	8.7	8.5 07/14/2010
Average % Void		22.3					07/12/2010

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, with absorption alternate in section 6.1.2

Denis Brosnan, Director

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