

THE NATIONAL BRICK RESEARCH CENTER

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07/09/2010

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, OH 44702	Plant:	The Belden Brick Company
Phone:	330-456-0031	Report Number:	BBC-0090
Fax:	330-456-2694	Sampled Date:	06/28/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 6, All Fireclay, No Additive**

							Test Date	
Absorption		1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)		2.77	2.70	2.85	2.80	2.81	2.79	06/30/2010
5 Hour Submersion in Boiling Water (%)		3.52	3.44	3.65	3.59	3.55	3.55	
Saturation Coefficient (Ratio of 24H to 5H)		0.79	0.79	0.78	0.78	0.79	0.79	
Compressive Strength		1	2	3	4	5	Average	
	<i>psi</i>	15,818	12,974	16,516	14,471	17,126	15,381	07/06/2010
	<i>MPa</i>	109.1	89.5	113.9	99.8	118.1	106.0	
Efflorescence		11	12	13	14	15		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		07/09/2010
IRA		6	7	8	9	10	Average	
	<i>g/min</i>	3.8	3.7	4.1	4.2	5.1	4.2	07/06/2010
Average % Void		22.8						07/06/2010

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