

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-0092
Fax:	330-456-2694	Sampled Date:	06/30/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 6, Fireclay & Shale, No Additive**

							Test Date	
Absorption		1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)		4.25	4.47	4.22	4.44	4.34	4.34	
5 Hour Submersion in Boiling Water (%)		5.04	5.01	4.84	4.92	5.13	4.99	
Saturation Coefficient (Ratio of 24H to 5H)		0.84	0.89	0.87	0.90	0.85	0.87	
Compressive Strength		1	2	3	4	5	Average	
	<i>psi</i>	18,177	15,767	16,060	17,035	14,105	16,229	
	<i>MPa</i>	125.3	108.7	110.7	117.5	97.3	111.9	
Efflorescence		11	12	13	14	15		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	07/14/2010	
IRA		6	7	8	9	10	Average	
	<i>g/min</i>	6.9	6.3	7.2	7.3	6.9	6.9	
Average % Void		22.2						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