

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

09/16/2010

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, OH 44702	Plant:	The Belden Brick Company
Phone:	330-456-0031	Report Number:	BBC-0136
Fax:	330-456-2694	Sampled Date:	08/23/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 8, Shale & Fireclay, Fine Grind, No Additive**

							Test Date	
Absorption		1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)		3.46	3.75	3.70	3.98	3.86	3.75	
5 Hour Submersion in Boiling Water (%)		4.15	4.35	4.41	4.51	4.57	4.40	
Saturation Coefficient (Ratio of 24H to 5H)		0.83	0.86	0.84	0.88	0.85	0.85	
Compressive Strength		1	2	3	4	5	Average	
	<i>psi</i>	15,754	11,590	14,668	14,918	13,267	14,039	
	<i>MPa</i>	108.6	79.9	101.1	102.9	91.5	96.8	
Efflorescence		11	12	13	14	15		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	09/16/2010	
IRA		6	7	8	9	10	Average	
	<i>g/min</i>	7.3	5.8	8.4	5.2	6.4	6.6	
Average % Void		22.9						09/16/2010

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