

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

09/01/2010

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, OH 44702	Plant:	The Belden Brick Company
Phone:	330-456-0031	Report Number:	BBC-0097
Fax:	330-456-2694	Sampled Date:	07/19/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 2, All Shale (Face)**

							Test Date	
Absorption		1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)		0.94	0.94	1.08	0.92	0.91	0.96	
5 Hour Submersion in Boiling Water (%)		1.08	1.15	1.32	1.17	1.07	1.16	
Saturation Coefficient (Ratio of 24H to 5H)		0.87	0.82	0.81	0.79	0.85	0.83	
Compressive Strength		1	2	3	4	5	Average	
	<i>psi</i>	21,611	21,965	18,638	21,876	24,251	21,668	
	<i>MPa</i>	149.0	151.4	128.5	150.8	167.2	149.4	
Efflorescence		11	12	13	14	15		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	07/30/2010	
IRA		6	7	8	9	10	Average	
	<i>g/min</i>	2.0	1.8	2.0	1.8	2.1	1.9	
Average % Void		20.8						07/27/2010

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