

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-0133
Fax:	330-456-2694	Sampled Date:	08/18/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 9, All Shale, No Additive**

							Test Date	
Absorption		1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)		4.84	2.82	4.17	2.76	2.62	3.44	
5 Hour Submersion in Boiling Water (%)		6.38	3.28	5.47	3.62	3.32	4.42	
Saturation Coefficient (Ratio of 24H to 5H)		0.76	0.86	0.76	0.76	0.79	0.79	
Compressive Strength		1	2	3	4	5	Average	
	<i>psi</i>	17,871	17,615	18,858	22,055	16,722	18,624	
	<i>MPa</i>	123.2	121.5	130.0	152.1	115.3	128.4	
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>	10.9	13.2	9.2	13.7	10.0	11.4	
Average % Void		20.6						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