

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

08/12/2010

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, OH 44702	Plant:	The Belden Brick Company
Phone:	330-456-0031	Report Number:	BBC-0098
Fax:	330-456-2694	Sampled Date:	07/19/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 2, All Shale (Paver) 2-1/4**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		0.47	0.40	0.45	0.43	0.48	0.45
5 Hour Submersion in Boiling Water (%)		0.64	0.56	0.57	0.59	0.57	0.59
Saturation Coefficient (Ratio of 24H to 5H)		0.73	0.72	0.78	0.73	0.84	0.76
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	25,240	22,779	25,958	25,143	26,237	25,071
	<i>MPa</i>	174.0	157.1	179.0	173.4	180.9	172.9
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	07/29/2010
IRA		6	7	8	9	10	Average
	<i>g/min</i>	1.1	0.8	0.8	0.9	1.0	0.9
Abrasion Resistance		1	2	3	4	5	Average
		0.00	0.00	0.00	0.00	0.00	0.00

The brick represented by the test results shown here comply with the standards listed below:

ASTM C 1272 - 07 Standard Specification for Heavy Vehicular Paving Brick
Type: R

ASTM C 902 - 09 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX, with absorption alternate in section 4.1.1.1

Type: I

Denis Brosnan, Director

Greg Grabert, Ph.D., Associate Director of Technical Services