

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-0100
Fax:	330-456-2694	Sampled Date:	07/19/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 2, Shale/Fireclay w/Additive (Paver) 2-3/4**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		2.32	2.55	2.36	2.41	2.40	2.41 07/26/2010
5 Hour Submersion in Boiling Water (%)		2.58	2.72	2.62	2.65	2.62	2.64
Saturation Coefficient (Ratio of 24H to 5H)		0.90	0.94	0.90	0.91	0.92	0.91
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	21,958	22,173	20,855	19,668	20,182	20,967 07/26/2010
	<i>MPa</i>	151.4	152.9	143.8	135.6	139.1	144.6
Breaking Load		6	7	8	9	10	Average
	<i>(lb/in.)</i>	1,802	1,448	1,340	1,397	1,497	1,497 07/26/2010
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>	1.9	1.4	1.4	2.0	1.7	1.7 07/26/2010
Abrasion Resistance		1	2	3	4	5	Average
		0.01	0.01	0.01	0.01	0.01	0.01 07/26/2010

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, F
- 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