

THE NATIONAL BRICK RESEARCH CENTER

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07/15/2010

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, OH 44702	Plant:	The Belden Brick Company
Phone:	330-456-0031	Report Number:	BBC-0091
Fax:	330-456-2694	Sampled Date:	06/30/2010
		Lot:	
		Product Code:	

Sample Description: **Plt 6, All Fireclay w/Additive**

							Test Date	
<b>Absorption</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
24 Hour Submersion in Cold Water (%)		2.74	2.67	2.98	2.73	2.55	2.73	
5 Hour Submersion in Boiling Water (%)		3.09	3.07	3.36	3.13	2.95	3.12	
Saturation Coefficient (Ratio of 24H to 5H)		0.88	0.87	0.89	0.87	0.86	0.88	
<b>Compressive Strength</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
	<i>psi</i>	18,470	17,296	17,997	17,197	16,847	17,561	
	<i>MPa</i>	127.3	119.2	124.1	118.6	116.2	121.1	
<b>Efflorescence</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	07/15/2010	
<b>IRA</b>		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
	<i>g/min</i>	3.9	4.2	4.4	4.5	4.5	4.3	
<b>Average % Void</b>		22.0						07/12/2010

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