

TEST REPORT
THE BISHOP MATERIALS LABORATORY

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Results of Tests on Brick conducted in accordance with ASTM C67-13 Standard Method for Sampling and

Testing Brick and Structural Clay Tile

10/16/2013

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton, OH 44702	Plant:	The Belden Brick Company
Phone:	330-456-0031	Report Number:	BBC-0278
Fax:	330-456-2694	Received Date:	
		Sampled Date:	08/26/2013
		Lot:	
		Product Code:	708011376

Sample Description: **Plt 8, Sandmold**

							Test Date
Absorption	1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)	4.77	3.66	3.92	4.49	4.76	4.32	09/09/2013
5 Hour Submersion in Boiling Water (%)	7.49	6.05	6.40	6.97	7.73	6.93	
Saturation Coefficient (Ratio of 24H to 5H)	0.64	0.60	0.61	0.64	0.62	0.62	
*Measurement Uncertainty ± 0.55 %							
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	13,691	12,131	15,648	13,600	12,205	13,455	09/09/2013
<i>MPa</i>	94.4	83.6	107.9	93.8	84.2	92.8	
*Measurement Uncertainty ± 231 psi							
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		10/15/2013
IRA (Oven Dried Method)	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	6.0	7.6	4.8	6.5	5.6	6.1	09/20/2013
*Measurement Uncertainty ± 1.5 g/min/30 in. ²							
Abrasion Resistance	1	2	3	4	5	Average	
	0.03	0.03	0.03	0.03	0.04	0.03	09/20/2013

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

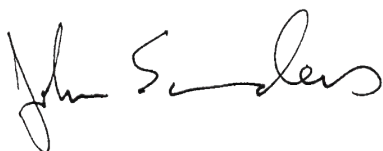
ASTM C 216 - 13 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)

Grade: SW, MW

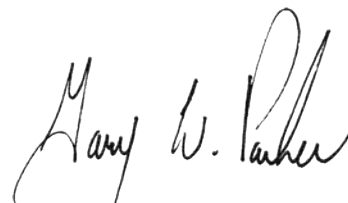
ASTM C 902 - 13 Standard Specification for Pedestrian and Light Traffic Paving Brick

Class: SX, MX, NX, with **Molded Brick Alternate 4.1.5**

Type: I, II, III



John Sanders, Ph.D., PE, Director



Gary W. Parker, Laboratory Supervisor

*This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2

The results shown above apply only to the samples tested, which are provided by the customer.

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