



TEST REPORT

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Results of Tests on Brick conducted in accordance with ASTM C67-12 Standard Method for Sampling and Testing

Brick and Structural Clay Tile

10/14/2014

Name:	The Belden Brick Company 700 West Tuscarawas Street Canton , OH 44702	Plant:	The Belden Brick Company	*Temperature: 60 - 90F
Phone:	330-456-0031	Report Number:	706008296	*Humidity: 30% - 70%
Fax:	330-456-2694	Received Date:	09/04/2014	
		Sampled Date:	09/04/2014	
		Lot:		
		Product Code:		

Sample Description: **PLT 6, SHALE/FIRECLAY, NO ADDITIVE (PAVER, 2-3/4")**

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	4.22	4.37	4.58	4.54	4.41	4.43	09/11/2014
5 Hour Submersion in Boiling Water (%)	4.99	4.97	5.01	5.18	5.18	5.07	
Saturation Coefficient (Ratio of 24H to 5H)	0.85	0.88	0.91	0.88	0.85	0.87	

*Measurement Uncertainty ± 0.55 %

*The 1 and 2 hour boiled water absorption tests are not required by the customer

						Average	Test Date
Compressive Strength	1	2	3	4	5		
<i>psi</i>	15,644	16,625	18,643	19,582	16,636	17,426	09/22/2014
<i>MPa</i>	107.9	114.6	128.5	135.0	114.7	120.1	

*Measurement Uncertainty ± 231 psi

						Average	Test Date
Breaking Load	6	7	8	9	10		
<i>(lb/in.)</i>	1,334	1,168	1,375	1,287	1,008	1,234	10/14/2014

						Average	Test Date
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		10/08/2014

						Average	Test Date
Abrasion Resistance	1	2	3	4	5		
	0.03	0.03	0.02	0.02	0.03	0.03	10/08/2014

The brick represented by the test results shown here comply with the physical property requirements of the standards listed below:

ASTM C 1272 - 14 Standard Specification for Heavy Vehicular Paving Brick
Type: R, F

ASTM C 902 - 14 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX, with absorption alternate in section 4.1.1.1

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 temperature and humidity of the Bishop Materials Laboratory is constantly kept between 60 -90F, and 30-70% RH

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