



TEST REPORT

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Results of Tests on Brick conducted in accordance with ASTM C67-14 Standard Method for Sampling and Testing

Brick and Structural Clay Tile

11/17/2016

Name:	The Belden Brick Company P. O. Box 430 Sugarcreek , OH 44681	Plant:	The Belden Brick Company	*Temperature: 60 - 90F
Phone:	330-852-2424	Report Number:	7242-15525	*Humidity: 30% - 70%
Fax:	330-852-2958	Received Date:	10/27/2016	
		Sampled Date:	10/27/2016	
		Lot:		
		Product Code:		

Sample Description: **PLT 8, Shale & Fireclay, Coarse Grind, W/Additive**

						Average	Test Date
Absorption	1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)	4.60	4.41	4.37	4.41	3.68	4.29	11/02/2016
5 Hour Submersion in Boiling Water (%)	6.06	5.93	5.91	5.98	4.81	5.74	
Saturation Coefficient (Ratio of 24H to 5H)	0.76	0.74	0.74	0.74	0.77	0.75	
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	14,244	16,039	14,870	15,572	12,595	14,664	11/02/2016
<i>MPa</i>	98.2	110.6	102.5	107.4	86.8	101.1	
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		11/10/2016
IRA (Oven Dried Method)	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	6.1	8.3	6.5	8.4	6.9	7.2	11/09/2016
Average % Void	23.0						11/07/2016
Abrasion Resistance	1	2	3	4	5	Average	
	0.03	0.03	0.03	0.03	0.03	0.03	11/07/2016

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

ASTM C 216 - 16 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW

ASTM C 902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX

Type: I, II, III

Michael Walker, Quality Manager

**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.
This test report shall not be reproduced except in full, without written approval of the laboratory.*