



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

09/07/2015

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:	6445-12958	*Humidity: 30% - 70%
Fax:	330-852-2958	Received Date:	07/29/2015	
		Sampled Date:	07/29/2015	
		Lot:		
		Product Code:		

Sample Description: **PLT 2, ALL SHALE SPECTRUM SERIES CLEAR FIRE (FACE BRICK)**

							Test Date
Absorption		1	2	3	4	5	Average
24 Hour Submersion in Cold Water (%)		1.62	1.23	1.15	1.31	1.25	1.31 08/21/2015
5 Hour Submersion in Boiling Water (%)		1.70	1.32	1.27	1.41	1.47	1.43
Saturation Coefficient (Ratio of 24H to 5H)		0.95	0.93	0.90	0.93	0.85	0.91
Compressive Strength		1	2	3	4	5	Average
	<i>psi</i>	11,502	10,659	12,852	12,065	13,369	12,090 08/24/2015
	<i>MPa</i>	79.3	73.5	88.6	83.2	92.2	83.4
Efflorescence		11	12	13	14	15	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	09/02/2015
IRA (Oven Dried Method)		6	7	8	9	10	Average
	<i>g/min/30 in.²</i>	3.5	2.6	4.1	4.6	2.1	3.4 08/19/2015
Average % Void		20.2					08/19/2015

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

ASTM C 216 - 15 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)

Grade: SW, MW

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.