

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
04/24/2014

Name:	Whitacre-Greer Fireproofing Company 1400 South Mahoning Avenue Alliance, OH 44601	Plant:	Whitacre-Greer Fireproofing Company	*Temperature: 70 - 77F
Phone:	(330) 206-2009	Report Number:	WGFC-0087	*Humidity: 45% - 55%
Fax:		Received Date:	04/17/2014	
		Sampled Date:	04/17/2014	
		Lot:		
		Product Code:		

Sample Description: **4x8x2-1/4 Bevel and Lugged Pavers 50 Series**

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	1.51	1.38	1.35	2.18	0.34	1.35	04/22/2014
5 Hour Submersion in Boiling Water (%)	5.09	5.88	4.06	5.65	5.40	5.22	
Saturation Coefficient (Ratio of 24H to 5H)	0.30	0.24	0.33	0.38	0.06	0.26	
*Measurement Uncertainty ± 0.55 %		*The 1 and 2 hour boiled water absorption tests are not required by the customer					
Compressive Strength	1	2	3	4	5	Average	
<i>psi</i>	11,691	12,527	16,060	13,056	10,862	12,839	04/22/2014
<i>MPa</i>	80.6	86.4	110.7	90.0	74.9	88.5	
*Measurement Uncertainty ± 231 psi							
Abrasion Resistance	1	2	3	4	5	Average	
	0.01	0.01	0.01	0.02	0.00	0.01	04/22/2014

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

ASTM C 902 - 13 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX
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 70 - 77F, and 45-55%

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

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