

TEST REPORT
THE BISHOP MATERIALS LABORATORY

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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

01/23/2014

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-0084	*Humidity: 45% - 55%
Fax:		Received Date:	01/06/2014	
		Sampled Date:	01/06/2014	
		Lot:		
		Product Code:		

Sample Description: **8 x 8 x 2 3/4 Shade 50 Ivory**

							Test Date
Absorption	1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)	5.18	4.47	4.91	3.97	4.88	4.68	01/09/2014
5 Hour Submersion in Boiling Water (%)	6.97	5.90	6.49	5.73	6.40	6.30	
Saturation Coefficient (Ratio of 24H to 5H)	0.74	0.76	0.76	0.69	0.76	0.74	
*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>	11,224	14,298	10,194	11,065	13,280	12,012	01/10/2014
<i>MPa</i>	77.4	98.6	70.3	76.3	91.6	82.8	
*Measurement Uncertainty ± 231 psi							
Breaking Load	6	7	8	9	10	Average	
<i>(lb/in.)</i>	815	964	1,003	1,000	856	927	01/16/2014
Abrasion Resistance	1	2	3	4	5	Average	
	0.05	0.03	0.05	0.04	0.04	0.04	01/16/2014

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

ASTM C 1272 - 11 Standard Specification for Heavy Vehicular Paving Brick
Type: R, F

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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