

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

10/08/2014

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:		*Humidity: 45% - 55%
Fax:		Received Date:	09/15/2014	
		Sampled Date:	09/15/2014	
		Lot:		
		Product Code:		

Sample Description: **Shade 30**

						Average	Test Date
Absorption	1	2	3	4	5		
24 Hour Submersion in Cold Water (%)	4.22	3.90	4.17	4.16	4.03	4.10	10/06/2014
5 Hour Submersion in Boiling Water (%)	5.83	5.53	5.85	5.84	5.68	5.75	
Saturation Coefficient (Ratio of 24H to 5H)	0.72	0.71	0.71	0.71	0.71	0.71	
*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>	13,680	12,539	12,002	11,236	11,818	12,255	10/06/2014
<i>MPa</i>	94.3	86.5	82.8	77.5	81.5	84.5	
*Measurement Uncertainty ± 231 psi							
Breaking Load	6	7	8	9	10	Average	
<i>(lb/in.)</i>	1,609	2,120	1,745	1,638	1,721	1,767	10/07/2014
Abrasion Resistance	1	2	3	4	5	Average	
	0.03	0.03	0.03	0.04	0.03	0.03	10/07/2014

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

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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