



TEST REPORT

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Results of Tests on brick Conducted in accordance with ASTM C 67-16 Standard Test Methods for Sampling and

Testing Brick and Structural Clay Tile

10/18/2017

Name:	Kansas Brick & Tile 767 U.S. 281 Hoisington , KS 67544	Plant:	Kansas Brick & Tile	*Temperature: 60 - 90F
Phone:	620-653-2157	Report Number:	7830-17494	*Humidity: 30% - 70%
Fax:		Received Date:	09/26/2017	
		Sampled Date:	09/26/2017	
		Lot:		
		Product Code:		

Sample Description: **520 Dark, 500 C-Brown, 500 Cocoa**

							Test Date	
Absorption		1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)		3.91	3.93	3.84	3.91	3.31	3.78	
5 Hour Submersion in Boiling Water (%)		4.08	4.28	4.19	4.31	3.52	4.08	
Saturation Coefficient (Ratio of 24H to 5H)		0.96	0.92	0.92	0.91	0.94	0.93	
							10/03/2017	
Compressive Strength		1	2	3	4	5	Average	
	<i>psi</i>	20,047	15,676	17,232	18,444	17,793	17,838	
	<i>MPa</i>	138.2	108.1	118.8	127.2	122.7	123.0	
							09/28/2017	
Efflorescence		11	12	13	14	15		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		
							10/09/2017	
IRA (Oven Dried Method)		6	7	8	9	10	Average	
	<i>g/min/30 in.²</i>	2.2	2.6	2.5	2.8	2.2	2.5	
							09/29/2017	
Average % Void		22.7						09/28/2017

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

ASTM C 216 - 17 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW, with absorption alternate in section 7.1.2

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.*