



**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:	7830-17497	*Humidity: 30% - 70%
Fax:		Received Date:	09/26/2017	
		Sampled Date:	09/26/2017	
		Lot:		
		Product Code:		

Sample Description: **530 Flash, Old Colonial, 500 Cimarron, Sedona, Fort Dodge, Old Cheyenne, Pawnee Sand, Old Williamsburg, Santa Fe, 545 F, Tulsa Blend, New Used, KC S**

						Average	Test Date
<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>		
24 Hour Submersion in Cold Water (%)	4.69	4.99	4.35	4.68	4.73	4.69	10/03/2017
5 Hour Submersion in Boiling Water (%)	7.35	7.49	7.01	7.40	7.41	7.33	
Saturation Coefficient (Ratio of 24H to 5H)	0.64	0.67	0.62	0.63	0.64	0.64	
<b>Compressive Strength</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
<i>psi</i>	12,784	13,563	13,123	13,897	13,996	13,473	09/28/2017
<i>MPa</i>	88.1	93.5	90.5	95.8	96.5	92.9	
<b>Efflorescence</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		10/09/2017
<b>IRA (Oven Dried Method)</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
<i>g/min/30 in.<sup>2</sup></i>	2.9	1.7	2.7	9.9	2.1	3.9	09/29/2017
<b>Average % Void</b>	23.9						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

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.*