



**TEST REPORT**

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*Results of Tests on Brick conducted in accordance with ASTM C67-14 Standard Method for Sampling and Testing*

*Brick and Structural Clay Tile*

02/27/2017

Name:	Cloud Ceramics 1716 Quail Road Concordia , KS 66901	Plant:	Cloud Ceramics	*Temperature: 60 - 90F
Phone:	800-880-5986	Report Number:	7360-15995	*Humidity: 30% - 70%
Fax:		Received Date:	01/25/2017	
		Sampled Date:	01/25/2017	
		Lot:		
		Product Code:		

Sample Description: **Burgundy, Cherokee, Black Diamond, Coffee**

							Test Date	
<b>Absorption</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	
24 Hour Submersion in Cold Water (%)		4.30	4.33	4.35	4.33	4.42	4.34	
5 Hour Submersion in Boiling Water (%)		7.20	7.31	7.22	7.26	7.29	7.26	
Saturation Coefficient (Ratio of 24H to 5H)		0.60	0.59	0.60	0.60	0.61	0.60	
<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>	12,305	12,114	14,142	14,876	13,139	13,315	
	<i>MPa</i>	84.8	83.5	97.5	102.6	90.6	91.8	
<b>Efflorescence</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>		
		Not Effloresced	02/06/2017					
<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>	8.1	8.2	6.5	8.9	9.1	8.2	
<b>Average % Void</b>		24.8						02/24/2017

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

ASTM C 216 - 16 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.*