



**TEST REPORT**

100 Clemson Research Blvd.  
Anderson, SC 29625  
(864) 656-1094  
Fax: (864) 656-1095  
www.brickandtile.org

*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*

04/02/2018

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	8080-18281	*Humidity: 30% - 70%
Fax:		Received Date:	03/06/2018	
		Sampled Date:	03/06/2018	
		Lot:		
		Product Code:		

Sample Description: **Fl. Mang, Flash Manganese, Plum**

							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 (%)		3.42	2.53	3.91	4.24	4.11	3.64 03/08/2018
5 Hour Submersion in Boiling Water (%)		6.28	5.81	6.88	6.93	6.97	6.58
Saturation Coefficient (Ratio of 24H to 5H)		0.54	0.43	0.57	0.61	0.59	0.55
<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>	22,993	19,440	18,855	20,007	22,179	20,695 03/08/2018
	<i>MPa</i>	158.5	134.0	130.0	137.9	152.9	142.7
<b>Breaking Load</b>		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>
	<i>(lb/in.)</i>	852	876	818	816	885	849 03/14/2018
<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>	2.2	1.1	1.5	2.7	2.4	2.0 03/08/2018
<b>Abrasion Resistance</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
		0.01	0.01	0.02	0.02	0.02	0.02 03/08/2018

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

ASTM C 1272 - 17 Standard Specification for Heavy Vehicular Paving Brick

Type: R

ASTM C 902 - 15 Standard Specification for Pedestrian and Light Traffic Paving Brick

Class: SX, MX, NX

Type: I, II, III

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.*