



**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 67-18 Standard Test Methods for Sampling and*

*Testing Brick and Structural Clay Tile*

08/03/2020

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	9631-23284	*Humidity: 30% - 70%
Fax:		Received Date:	07/13/2020	
		Sampled Date:	07/13/2020	
		Lot:		
		Product Code:		

Sample Description: **Capitol IS**

						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 (%)	4.93	4.72	4.61	4.58	4.42	4.65	07/17/2020
5 Hour Submersion in Boiling Water (%)	7.37	7.35	7.20	7.17	6.66	7.15	
Saturation Coefficient (Ratio of 24H to 5H)	0.67	0.64	0.64	0.64	0.66	0.65	
<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>	15,936	16,185	17,474	13,813	15,748	15,831	07/22/2020
<i>MPa</i>	109.9	111.6	120.5	95.2	108.6	109.2	
<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		07/24/2020
<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>	5.0	2.7	4.1	3.2	4.4	3.9	07/23/2020
<b>Average % Void</b>	19.8						07/20/2020

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

ASTM C 216 - 19 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.*

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**Results of Tests on brick Conducted in accordance with C67/C67M - 21 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

05/06/2022

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln, NE 68522	Plant:	Yankee Hill Brick
Phone:	402-770-7720	Sampled Date:	4/15/2022
Report Number:	10732-26647	Received Date:	4/15/2022
		Fired Date:	4/15/2022
		Product Code:	
		Lot Number:	

Description: **Charcoal/Plum**

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	2.2	2.2	2.1	1.9	2.0	2.1	4/20/2022
5 Hour Boiling Water (%)	2.5	2.6	2.4	2.3	2.4	2.4	
Saturation Coefficient	0.87	0.87	0.88	0.84	0.84	0.86	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	16,630	17,150	15,870	16,680	18,940	17,050	4/30/2003


IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. <sup>2</sup>	1.5	2.0	2.6	2.1	2.5	2.2	4/29/2022

Efflorescence	11	12	13	14	15	Test Date
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	5/4/2022

Void Area	1	2	3	4	5	Average	Test Date
Void Area (%)	20	20	20	20	20	20	4/28/2022

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

C 216 - 21 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW

  
Michael Walker, Quality Manager

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**Results of Tests on brick Conducted in accordance with C67/C67M - 23 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

06/16/2023

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln, NE 68522	Plant:	Yankee Hill Brick
Phone:	402-770-7720	Sampled Date:	5/24/2023
Report Number:	11777-29325	Received Date:	5/24/2023
		Fired Date:	5/24/2023
		Product Code:	
		Lot Number:	
Description: <b>Dark Ironspot; Dark IS / Ebony</b>			

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	2.5	2.7	2.4	2.5	2.5	2.5	6/6/2023
5 Hour Boiling Water (%)	3.5	3.6	3.2	3.1	3.7	3.4	
Saturation Coefficient	0.70	0.75	0.75	0.80	0.68	0.74	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	21,850	20,130	23,950	18,720	20,060	20,940	6/7/2023

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. <sup>2</sup>	1.8	1.8	3.4	1.9	2.8	2.3	6/15/2023

Efflorescence	11	12	13	14	15	Test Date
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	6/12/2023

Void Area	1	2	3	4	5	6	7	8	9	10	Average	Test Date
Void Area (%)	19	19	19	19	19	19	19	19	19	19	19	6/13/2023

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

ASTM C216 - 22 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW

*Katherine Hill*  
Katherine Hill, Quality Manager

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