



**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*

04/22/2018

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	8150-18543	*Humidity: 30% - 70%
Fax:		Received Date:	04/03/2018	
		Sampled Date:	04/03/2018	
		Lot:		
		Product Code:		

Sample Description: **FI Mang, Flash Manganese/Dark Smoke Bronze**

							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 (%)	4.40	4.33	4.50	4.44	4.60	4.45	04/11/2018
5 Hour Submersion in Boiling Water (%)	7.38	7.27	7.44	7.27	7.67	7.41	
Saturation Coefficient (Ratio of 24H to 5H)	0.60	0.60	0.61	0.61	0.60	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>	13,944	10,811	16,141	10,616	11,458	12,594	04/11/2018
<i>MPa</i>	96.1	74.5	111.3	73.2	79.0	86.8	
<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>	7.4	6.0	5.1	6.3	6.2	6.2	04/11/2018
<b>Average % Void</b>	22.5						04/11/2018

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

ASTM C 216 - 17a 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.*



**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*

04/26/2018

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	8174-18603	*Humidity: 30% - 70%
Fax:		Received Date:	04/16/2018	
		Sampled Date:	04/16/2018	
		Lot:		
		Product Code:		

Sample Description: **Mojave, Mojave/Light Ironspot**

							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 (%)		4.90	5.11	5.26	5.17	4.90	5.06	
5 Hour Submersion in Boiling Water (%)		7.00	7.03	7.26	7.20	7.03	7.10	
Saturation Coefficient (Ratio of 24H to 5H)		0.70	0.73	0.72	0.72	0.70	0.71	
<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>	17,467	17,122	14,566	13,204	12,802	15,032	
	<i>MPa</i>	120.4	118.1	100.4	91.0	88.3	103.6	
<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	04/26/2018	
<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>	5.1	6.7	4.2	5.3	6.4	5.6	
<b>Average % Void</b>		23.0						04/18/2018

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

ASTM C 216 - 17a 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.*



**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*

04/26/2018

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	8174-18604	*Humidity: 30% - 70%
Fax:		Received Date:	04/16/2018	
		Sampled Date:	04/16/2018	
		Lot:		
		Product Code:		

Sample Description: **Med IS, Medium Ironspot**

							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 (%)		4.57	4.64	4.60	4.44	4.36	4.52	
5 Hour Submersion in Boiling Water (%)		7.41	7.42	7.43	7.34	7.16	7.35	
Saturation Coefficient (Ratio of 24H to 5H)		0.62	0.63	0.62	0.60	0.61	0.61	
<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>	15,826	11,409	13,269	13,781	13,168	13,491	
	<i>MPa</i>	109.1	78.7	91.5	95.0	90.8	93.0	
<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	04/26/2018	
<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>	5.5	7.7	8.7	6.1	6.8	6.9	
<b>Average % Void</b>		22.2						04/18/2018

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

ASTM C 216 - 17a 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.*



**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*

04/11/2018

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	8107-18359	*Humidity: 30% - 70%
Fax:		Received Date:	03/16/2018	
		Sampled Date:	03/16/2018	
		Lot:		
		Product Code:		

Sample Description: **Metro Ironspot**

						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 (%)	4.44	4.45	4.36	4.63	4.26	4.43	03/26/2018
5 Hour Submersion in Boiling Water (%)	7.46	7.35	7.44	7.64	7.20	7.42	
Saturation Coefficient (Ratio of 24H to 5H)	0.60	0.60	0.59	0.61	0.59	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>	12,923	11,704	14,378	12,273	14,188	13,093	03/26/2018
<i>MPa</i>	89.1	80.7	99.1	84.6	97.8	90.3	
<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		04/03/2018
<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>	2.8	1.9	3.4	2.1	3.2	2.7	03/29/2018
<b>Average % Void</b>	21.1						03/26/2018

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

ASTM C 216 - 17a 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.*



**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*

06/14/2019

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	8884-20888	*Humidity: 30% - 70%
Fax:		Received Date:	05/31/2019	
		Sampled Date:	05/31/2019	
		Lot:		
		Product Code:		

Sample Description: **Flash Tan, Antique 111, Antique 212, Antique 505, Canyon Red, Clinker, French Colonial, Light Smoke Bronze, Medium Smoke Bronze**

							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 (%)		4.19	3.37	3.37	2.77	3.74	3.49	
5 Hour Submersion in Boiling Water (%)		6.45	5.70	5.60	5.19	6.13	5.81	
Saturation Coefficient (Ratio of 24H to 5H)		0.65	0.59	0.60	0.53	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>	14,901	14,538	15,779	14,909	12,424	14,510	
	<i>MPa</i>	102.7	100.2	108.8	102.8	85.7	100.0	
<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	06/12/2019	
<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	2.2	3.6	3.3	3.0	2.9	
<b>Average % Void</b>		21.5						06/04/2019

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

ASTM C 216 - 17a 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.*



**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*

12/02/2019

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln , NE 68522	Plant:	Yankee Hill Brick	*Temperature: 60 - 90F
Phone:	402-770-7720	Report Number:	9232-22015	*Humidity: 30% - 70%
Fax:		Received Date:	11/12/2019	
		Sampled Date:	11/12/2019	
		Lot:		
		Product Code:		

Sample Description: **Medium Red**

						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 (%)	5.03	4.97	4.62	5.34	4.66	4.93	11/14/2019
5 Hour Submersion in Boiling Water (%)	7.54	7.38	7.01	7.67	7.01	7.32	
Saturation Coefficient (Ratio of 24H to 5H)	0.67	0.67	0.66	0.70	0.66	0.67	
<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>	16,455	8,430	14,089	14,928	9,011	12,582	11/14/2019
<i>MPa</i>	113.5	58.1	97.1	102.9	62.1	86.8	
<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		11/22/2019
<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>	9.4	10.3	8.5	9.3	9.6	9.4	11/20/2019
<b>Average % Void</b>	20.8						11/20/2019

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

ASTM C 216 - 17a 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.*

**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 C67/C67M - 23 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

08/25/2023

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln, NE 68522	Plant:	Yankee Hill Brick
Phone:	402-770-7720	Sampled Date:	8/8/2023
Report Number:	11942-29731	Received Date:	8/8/2023
		Fired Date:	8/8/2023
		Product Code:	
		Lot Number:	
Description: <b>Dark Red / Maroon</b>			

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	2.6	2.6	2.6	2.9	2.5	2.6	8/10/2023
5 Hour Boiling Water (%)	4.4	4.6	4.5	4.6	4.6	4.5	
Saturation Coefficient	0.60	0.56	0.58	0.63	0.56	0.59	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	15,440	18,050	14,890	14,510	15,670	15,710	8/10/2023

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. <sup>2</sup>	2.8	3.3	3.2	2.7	2.5	2.9	8/21/2023

Efflorescence	11	12	13	14	15	Test Date
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	8/21/2023

Void Area	1	2	3	4	5	Average	Test Date
Void Area (%)	21	21	21	21	21	21	8/18/2023

*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

*\*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.*

**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 C67/C67M - 23 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

07/31/2023

Name:	Yankee Hill Brick 3705 South Coddington Avenue Lincoln, NE 68522	Plant:	Yankee Hill Brick
Phone:	402-770-7720	Sampled Date:	7/7/2023
Report Number:	11872-29547	Received Date:	7/7/2023
Description:	<b>Light Red</b>	Fired Date:	7/7/2023
		Product Code:	
		Lot Number:	BB158

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	3.7	3.6	3.6	3.6	3.7	3.6	7/11/2023
5 Hour Boiling Water (%)	5.4	5.3	5.3	5.2	5.3	5.3	
Saturation Coefficient	0.68	0.69	0.69	0.69	0.69	0.69	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	16,020	12,700	15,490	14,350	13,680	14,450	7/17/2023

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. <sup>2</sup>	4.2	3.8	4.4	3.8	4.2	4.1	7/18/2023

Efflorescence	11	12	13	14	15	Test Date
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	7/27/2023

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	7/17/2023

*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

*\*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.*