



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	
Absorption		1	2	3	4	5	Average	
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	
Compressive Strength		1	2	3	4	5	Average	
	<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	
Efflorescence		11	12	13	14	15		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	06/12/2019	
IRA (Oven Dried Method)		6	7	8	9	10	Average	
	<i>g/min/30 in.²</i>	2.2	2.2	3.6	3.3	3.0	2.9	
Average % Void		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*

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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
Absorption	1	2	3	4	5		
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	
Compressive Strength	1	2	3	4	5	Average	
<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	
Efflorescence	11	12	13	14	15		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		11/22/2019
IRA (Oven Dried Method)	6	7	8	9	10	Average	
<i>g/min/30 in.²</i>	9.4	10.3	8.5	9.3	9.6	9.4	11/20/2019
Average % Void	20.8						11/20/2019

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Grade: SW, MW

Michael Walker, Quality Manager

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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. ²	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

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: Dark Red / Maroon			

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. ²	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, 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

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:	Light Red	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. ²	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

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