



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**

							Test Date
Absorption		1	2	3	4	5	Average
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

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.

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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**

							Test Date	
Absorption		1	2	3	4	5	Average	
24 Hour Submersion in Cold Water (%)		4.93	4.72	4.61	4.58	4.42	4.65	
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	
Compressive Strength		1	2	3	4	5	Average	
	<i>psi</i>	15,936	16,185	17,474	13,813	15,748	15,831	
	<i>MPa</i>	109.9	111.6	120.5	95.2	108.6	109.2	
Efflorescence		11	12	13	14	15		
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	07/24/2020	
IRA (Oven Dried Method)		6	7	8	9	10	Average	
	<i>g/min/30 in.²</i>	5.0	2.7	4.1	3.2	4.4	3.9	
Average % Void		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

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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
Katherine Hill, Quality Manager

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