IAS ACCREDITED Testing Laboratory

CLEMSON UNIVERSITY
THE BISHOP MATERIALS LABORATORY

TEST REPORT

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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

08/21/2020

Name:	Pine Hall Brick Company, Inc P. O. Box 836 Madison , NC 27025	Plant:	Madison	*Temperature: 60 - 90F
		Report Number:	9646-23329	*Humidity: 30% - 70%
Phone:	336-703-8822	Received Date:	07/21/2020	
Fax:		Sampled Date:	07/21/2020	
		Lot:	2026	
		Product Code:		

Sample Description: **Oversize Tumbled Face Brick**

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	7.72	7.96	7.76	7.27	6.96	7.53	07/27/2020
5 Hour Submersion in Boiling Water (%)	10.70	10.80	10.70	10.24	9.95	10.48	
Saturation Coefficient (Ratio of 24H to 5H)	0.72	0.74	0.73	0.71	0.70	0.72	

Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	8,261	4,990	5,713	7,215	8,176	6,871	07/27/2020
MPa	57.0	34.4	39.4	49.7	56.4	47.4	

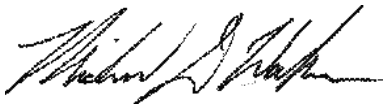
Efflorescence	**11**	**12**	**13**	**14**	**15**		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		07/31/2020

IRA (Oven Dried Method)	**6**	**7**	**8**	**9**	**10**	**Average**	
g/min/30 in.²	23.7	24.3	23.8	24.0	25.3	24.2	07/28/2020

Average % Void							
	18.3						07/27/2020

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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