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: **C&RB 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.

This test report shall not be reproduced except in full, without written approval of the laboratory.