CLEMSON UNIVERSITY
THE BISHOP MATERIALS LABORATORY

THE BISHOP MATERIALS LABORATORY

100 Clemson Research Blvd.
Anderson, SC 29625
(864) 656-1094
Fax: (864) 656-1095

www.bishopmaterialslab.com

AASHTO R18 ACCREDITED LABORATORY

Results of Tests on Brick conducted in accordance with ASTM C67-11 Standard Method for Sampling and Testing Brick and Structural Clay Tile

02/22/2012

Name:	Palmetto Brick Company P. O. Box 430 Cheraw, SC 29520-0430	Plant:	Palmetto Brick Company
		Report Number:	PALB-0057
Phone:	843-320-1137	Sampled Date:	01/23/2012
Fax:	843-537-4802	Lot:	
		Product Code:	
Sample Description:	**Buffstone**		

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	7.11	7.22	6.95	7.41	7.54	7.25	02/01/2012
5 Hour Submersion in Boiling Water (%)	9.35	9.51	9.26	9.67	9.76	9.51	
Saturation Coefficient (Ratio of 24H to 5H)	0.76	0.76	0.75	0.77	0.77	0.76	
Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	10,553	12,079	10,966	11,425	10,284	11,061	02/02/2012
MPa	72.8	83.3	75.6	78.8	70.9	76.3	
Efflorescence	**11**	**12**	**13**	**14**	**15**		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		02/17/2012
IRA	**6**	**7**	**8**	**9**	**10**	**Average**	
g/min/30 in.²	23.1	24.7	25.1	22.6	21.8	23.5	02/02/2012
Average % Void	23.6						01/30/2012

The brick represented by the test results shown here comply with the standards listed below:

ASTM C 216 - 11 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW

John Sanders, Ph.D., PE, Associate Director for Operations

Gary W. Parker, Laboratory Supervisor