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

04/03/2012

Name:	Palmetto Brick Company P. O. Box 430 Cheraw, SC 29520-0430	Plant:	Palmetto Brick Company
		Report Number:	PALB-0055
Phone:	843-320-1137	Sampled Date:	01/23/2012
Fax:	843-537-4802	Lot:	
		Product Code:	
Sample Description:	**Ivorystone**		

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	5.01	5.48	5.90	5.29	5.20	5.38	02/01/2012
5 Hour Submersion in Boiling Water (%)	7.17	7.67	8.07	7.35	7.24	7.50	
Saturation Coefficient (Ratio of 24H to 5H)	0.70	0.71	0.73	0.72	0.72	0.72	
Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	15,116	13,383	13,736	15,208	15,743	14,637	02/02/2012
MPa	104.2	92.3	94.7	104.9	108.5	100.9	
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	18.4	18.3	15.1	15.2	14.9	16.4	02/02/2012
Average % Void	24.0						02/01/2012

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, Director

Gary W. Parker, Laboratory Supervisor