CLEMSON UNIVERSITY
THE BISHOP MATERIALS LABORATORY

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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-0051
Phone:	843-320-1137	Sampled Date:	01/23/2012
Fax:	843-537-4802	Lot:	
		Product Code:	
Sample Description:	**1.25 Greystone**		

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	6.49	4.64	6.54	4.85	5.36	5.58	02/01/2012
5 Hour Submersion in Boiling Water (%)	9.44	7.60	9.47	7.72	8.10	8.47	
Saturation Coefficient (Ratio of 24H to 5H)	0.69	0.61	0.69	0.63	0.66	0.66	
Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	13,911	15,440	14,113	15,990	15,704	15,032	02/02/2012
MPa	95.9	106.5	97.3	110.2	108.3	103.6	
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	19.8	13.2	21.4	19.2	11.8	17.1	02/02/2012
Average % Void	23.5						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