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-0056
Phone:	843-320-1137	Sampled Date:	01/23/2012
Fax:	843-537-4802	Lot:	
		Product Code:	
Sample Description:	**.25 Greystone**		

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	7.17	6.90	7.09	7.24	7.42	7.16	02/01/2012
5 Hour Submersion in Boiling Water (%)	9.49	9.24	9.55	9.66	9.81	9.55	
Saturation Coefficient (Ratio of 24H to 5H)	0.76	0.75	0.74	0.75	0.76	0.75	
Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	9,294	11,353	10,419	12,276	10,738	10,816	02/02/2012
MPa	64.1	78.3	71.8	84.6	74.0	74.6	
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	28.6	22.9	24.9	22.3	22.2	24.2	02/02/2012
Average % Void	23.6						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, Associate Director for Operations

Gary W. Parker, Laboratory Supervisor