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

02/21/2012

Name:	Palmetto Brick Company P. O. Box 430 Cheraw, SC 29520-0430	Plant:	Palmetto Brick Company
		Report Number:	PALB-0046
Phone:	843-320-1137	Sampled Date:	01/23/2012
Fax:	843-537-4802	Lot:	
		Product Code:	
Sample Description:	**Rose Body**		

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	6.58	6.81	6.35	6.40	6.09	6.45	02/01/2012
5 Hour Submersion in Boiling Water (%)	7.61	7.62	7.51	7.39	7.07	7.44	
Saturation Coefficient (Ratio of 24H to 5H)	0.87	0.89	0.85	0.87	0.86	0.87	
Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	14,896	15,434	14,954	15,335	15,838	15,291	02/02/2012
MPa	102.7	106.4	103.1	105.7	109.2	105.4	
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	16.5	17.1	16.3	15.4	14.9	16.0	02/02/2012
Average % Void	24.6						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, with absorption alternate in section 6.1.2

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

Gary W. Parker, Laboratory Supervisor