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-0054
Phone:	843-320-1137	Sampled Date:	01/23/2012
Fax:	843-537-4802	Lot:	
		Product Code:	
Sample Description:	**Medium Red**		

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	6.45	6.16	6.34	6.06	6.80	6.36	02/01/2012
5 Hour Submersion in Boiling Water (%)	8.36	8.09	8.19	7.95	8.54	8.23	
Saturation Coefficient (Ratio of 24H to 5H)	0.77	0.76	0.77	0.76	0.80	0.77	
Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	11,980	14,347	14,740	15,627	15,624	14,464	02/02/2012
MPa	82.6	98.9	101.6	107.7	107.7	99.7	
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	16.0	18.0	16.6	16.6	18.1	02/02/2012
Average % Void	23.4						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

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