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

04/23/2012

Name:	Palmetto Brick Company P. O. Box 430 Cheraw, SC 29520-0430	Plant:	Palmetto Brick Company
		Report Number:	PALB-0058
Phone:	843-320-1137	Sampled Date:	03/28/2012
Fax:	843-537-4802	Lot:	
		Product Code:	
Sample Description:	**Red Body**		

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	5.81	6.16	6.34	6.25	6.77	6.26	03/30/2012
5 Hour Submersion in Boiling Water (%)	8.32	8.49	8.84	8.64	9.03	8.66	
Saturation Coefficient (Ratio of 24H to 5H)	0.70	0.72	0.72	0.72	0.75	0.72	
Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	13,292	12,859	14,515	14,028	15,435	14,026	03/30/2012
MPa	91.6	88.7	100.1	96.7	106.4	96.7	
Efflorescence	**11**	**12**	**13**	**14**	**15**		
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced		04/09/2012
IRA	**6**	**7**	**8**	**9**	**10**	**Average**	
g/min/30 in.²	13.7	18.1	15.8	16.7	18.4	16.5	03/30/2012
Average % Void	23.5						04/02/2012

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