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

04/23/2012

Name:	Palmetto Brick Company P. O. Box 430 Cheraw, SC 29520-0430	Plant:	Palmetto Brick Company
		Report Number:	PALB-0053
Phone:	843-320-1137	Sampled Date:	03/28/2012
Fax:	843-537-4802	Lot:	
		Product Code:	
Sample Description:	**Brown**		

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	6.54	7.50	7.18	7.34	7.29	7.17	03/30/2012
5 Hour Submersion in Boiling Water (%)	10.65	11.35	11.14	11.34	11.27	11.15	
Saturation Coefficient (Ratio of 24H to 5H)	0.61	0.66	0.64	0.65	0.65	0.64	
Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	10,931	10,835	10,939	10,451	11,744	10,980	03/30/2012
MPa	75.4	74.7	75.4	72.1	81.0	75.7	
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	18.1	18.7	21.0	19.4	17.5	18.9	03/30/2012
Average % Void	24.7						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