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-0052
Phone:	843-320-1137	Sampled Date:	01/23/2012
Fax:	843-537-4802	Lot:	
		Product Code:	
Sample Description:	**2.0 Greystone**		

							Test Date
Absorption	**1**	**2**	**3**	**4**	**5**	**Average**	
24 Hour Submersion in Cold Water (%)	6.24	5.93	5.52	5.59	5.79	5.81	02/01/2012
5 Hour Submersion in Boiling Water (%)	8.52	8.61	8.61	8.67	8.98	8.68	
Saturation Coefficient (Ratio of 24H to 5H)	0.73	0.69	0.64	0.65	0.64	0.67	
Compressive Strength	**1**	**2**	**3**	**4**	**5**	**Average**	
psi	13,744	10,638	12,097	13,510	13,501	12,698	02/02/2012
MPa	94.8	73.3	83.4	93.1	93.1	87.5	
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	17.8	13.0	14.0	17.5	13.9	15.2	02/02/2012
Average % Void	24.3						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

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

Gary W. Parker, Laboratory Supervisor