

**THE NATIONAL BRICK RESEARCH CENTER**

100 Clemson Research Blvd.  
Anderson, SC 29625  
(864) 656-1094  
Fax: (864) 656-1095  
www.brickandtile.org



*Results of Tests on Brick conducted in accordance with ASTM C67-08 Standard Method for Sampling and Testing Brick and Structural Clay Tile*



10/22/2010

<b>Name:</b>	Pine Hall Brick Company, Inc P. O. Box 836 Madison, NC 27025	<b>Plant:</b>	Madison
<b>Phone:</b>	336-548-6007	<b>Report Number:</b>	PHB-0053
<b>Fax:</b>	336-548-1837	<b>Sampled Date:</b>	10/13/2010
		<b>Lot:</b>	
		<b>Product Code:</b>	

**Sample Description: Rose Paver**

							Test Date
<b>Absorption</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
<i>24 Hour Submersion in Cold Water (%)</i>		5.95	4.94	4.77	6.26	5.53	5.49 10/14/2010
<i>5 Hour Submersion in Boiling Water (%)</i>		9.42	8.58	8.56	9.81	9.07	9.09
<i>Saturation Coefficient (Ratio of 24H to 5H)</i>		0.63	0.58	0.56	0.64	0.61	0.60
<b>Compressive Strength</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
	<i>psi</i>	15,840	18,399	16,500	17,844	17,676	17,252 10/15/2010
	<i>MPa</i>	109.2	126.9	113.8	123.0	121.9	118.9
<b>Breaking Load</b>		<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>
	<i>(lb/in.)</i>	789	846	885	918	855	858 10/15/2010
<b>Efflorescence</b>		<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	
		Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	10/22/2010
<b>Abrasion Resistance</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
		0.04	0.03	0.03	0.04	0.03	0.03 10/22/2010

**The brick represented by the test results shown here comply with the standards listed below:**

ASTM C 1272 - 07 Standard Specification for Heavy Vehicular Paving Brick

Type: R

Application: PX

ASTM C 902 - 09 Standard Specification for Pedestrian and Light Traffic Paving Brick

Class: SX, MX, NX

Type: I

Denis Brosnan, Director

Greg Grabert, Ph.D., Associate Director of Technical Services