

*Results of Tests on Brick conducted in accordance with ASTM C67-12 Standard Method for Sampling and*

*Testing Brick and Structural Clay Tile*

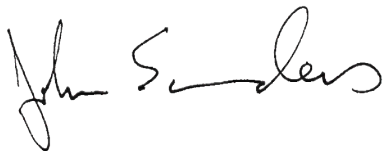
05/09/2013

Name:	Whitacre-Greer Fireproofing Company 1400 South Mahoning Avenue Alliance, OH 44601	Plant:	Whitacre-Greer Fireproofing Company
Phone:	(330) 206-2009	Report Number:	WGFC-0073
Fax:		Sampled Date:	04/25/2013
		Lot:	
		Product Code:	
Sample Description:	<b>3x9x3 Boardwalk 32 Antique</b>		

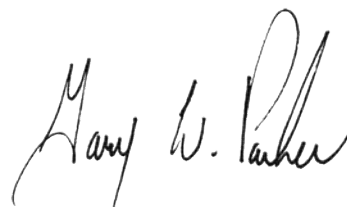
							Test Date
<b>Absorption</b>		<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>
24 Hour Submersion in Cold Water (%)		4.69	4.45	4.54	4.07	4.40	4.43
5 Hour Submersion in Boiling Water (%)		6.22	5.91	6.09	5.51	5.91	5.93
Saturation Coefficient (Ratio of 24H to 5H)		0.75	0.75	0.75	0.74	0.74	0.75
<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>	12,065	12,721	11,956	14,500	11,725	12,593
	<i>MPa</i>	83.2	87.7	82.4	100.0	80.8	86.8
<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>	1,459	1,019	1,210	1,063	1,181	1,187
<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	05/06/2013
<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	0.04	0.03	0.04	0.04

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

ASTM C 1272 - 11 Standard Specification for Heavy Vehicular Paving Brick  
Type: R, F



John Sanders, Ph.D., PE, Director



Gary W. Parker, Laboratory Supervisor