



**TEST REPORT**

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 C 67-18 Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile ASTM C 1405 - 16 Standard Specification for Glazed Brick (Single Fired, Solid*

*Brick Units)*

09/25/2018

Name:	S. Anselmo Group 7620 Washington Ave. Houston , TX 77007	Plant:	Innova Tile	*Temperature: 60 - 90F
Phone:		Report Number:	8423-19550	*Humidity: 30% - 70%
Fax:		Received Date:	09/07/2018	
		Sampled Date:	09/07/2018	
		Lot:		
		Product Code:		

Sample Description: **Glaze White**

							Test Date
<b>Imperviousness:</b>	For bricks 6 through 10, no stain could be seen from a distance of 5 feet on or beneath the surface.						09/12/2018
<b>Opacity:</b>	For bricks 1 through 3, no discoloration of the body was visible through the glaze.						09/12/2018
<b>Autoclave Crazing:</b>	For bricks 1 through 3, the glaze did not craze, spall, or crack.						09/12/2018
<b>Chemical Resistance:</b>	For bricks 4 and 5, the glaze failed.						09/12/2018
<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 (%)	0.05	0.03	0.08	0.05	0.07	0.06	09/11/2018
5 Hour Submersion in Boiling Water (%)	0.07	0.06	0.10	0.09	0.10	0.08	
Saturation Coefficient (Ratio of 24H to 5H)	0.75	0.57	0.83	0.55	0.67	0.67	
<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>	25,419	19,703	12,637	19,546	5,689	16,599	09/21/2018
<i>MPa</i>	175.3	135.8	87.1	134.8	39.2	114.4	
<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		09/20/2018
<b>IRA (Oven Dried Method)</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	
<i>g/min/30 in.<sup>2</sup></i>	0.3	0.6	0.6	0.3	0.6	0.5	09/18/2018

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

ASTM C 1405 - 16 Standard Specification for Glazed Brick (Single Fired, Solid Brick Units)

Type: Single

Class: Class Interior

ASTM C 216 - 17a Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)

Grade: SW, MW, with absorption alternate in section 7.1.2

Michael Walker, Quality Manager

*\*The temperature and humidity of the Bishop Materials Laboratory is constantly kept between 60 -90F, and 30-70% RH*

*The results shown above apply only to the samples tested, which are provided by the customer.*

*This test report shall not be reproduced except in full, without written approval of the laboratory.*



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*Results of Tests on Brick conducted in accordance with ASTM C67-18 Standard Method for Sampling and Testing*

*Brick and Structural Clay Tile*

09/25/2018

Name:	S. Anselmo Group 7620 Washington Ave. Houston , TX 77007	Plant:	Innova Tile
Phone:		Report Number:	
Fax:		Sampled Date:	09/07/2018
Sample Description:	<b>Glaze White</b>	Lot:	
		Product Code:	
		Type:	Single

**Out Of Square Measurements**

Brick #	Corner A	Corner B	Corner C	Corner D	Pass/Fail	Test Date
1	0	0	0	2/64	Passed	
2	0	0	0	0	Passed	
3	0	0	0	0	Passed	
4	0	0	0	0	Passed	
5	0	0	0	0	Passed	
6	0	0	0	0	Passed	
7	0	0	0	0	Passed	
8	0	0	0	0	Passed	
9	0	0	0	0	Passed	
10	0	0	0	0	Passed	09/18/2018

**Warpage Measurements**

Brick #	Concave Surface (Max)	Concave Edge (Max)	Convex Surface (Avg)	Convex Edge (Max)	Pass/Fail	Test Date
1	0	0	0	0	Passed	
2	0	0	0	1/32	Passed	
3	0	0	0	0	Passed	
4	0	0	0	0	Passed	
5	0	0	0	0	Passed	
6	0	0	0	1/32	Passed	
7	0	0	0	0	Passed	
8	0	0	0	0	Passed	
9	0	0	0	0	Passed	
10	0	0	0	0	Passed	09/18/2018