

**TEST REPORT**

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**Results of Tests on brick Conducted in accordance with C67/C67M - 23a Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile**

07/29/2024

Name:	The Belden Brick Company P. O. Box 430 Sugar creek, OH 44681	Plant:	Sugarcreek
Phone:	330-456-0031	Sampled Date:	7/2/2024
Fax:	330-456-2694	Received Date:	7/2/2024
Report Number:	12939-32119	Fired Date:	7/2/2024

Description: **PLT 8, SHALE & FIRECLAY, FINE GRIND, NO ADDITIVE**

<b>Absorption</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>Average</b>	<b>Test Date</b>
24 Hour Cold Water (%)	5.7	6.0	5.2	5.3	5.5	5.5	7/11/2024
5 Hour Boiling Water (%)	7.6	7.8	6.9	7.1	7.3	7.3	
Saturation Coefficient	0.76	0.77	0.75	0.75	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>	<b>Test Date</b>
psi	12,310	12,510	12,540	12,680	12,150	12,440	7/10/2024

<b>IRA (Oven Dried Method)</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	<b>Test Date</b>
g/min/30 in. <sup>2</sup>	12.4	14.6	15.7	12.3	15.4	14.1	7/10/2024

<b>Efflorescence</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>Test Date</b>
Efflorescence Detection	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	7/18/2024

<b>Void Area</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>Average</b>	<b>Test Date</b>
Void Area (%)	23	23	24	23	23	23	23	23	23	23	23	7/9/2024

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

ASTM C216 - 23 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)  
Grade: SW, MW

*Katherine Hill*  
Katherine Hill, 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.  
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