

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:	12939-32122	Fired Date:	7/2/2024

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

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	3.2	4.1	3.1	3.1	3.6	3.4	7/11/2024
5 Hour Boiling Water (%)	4.6	5.7	4.5	4.6	5.1	4.9	
Saturation Coefficient	0.69	0.72	0.69	0.68	0.70	0.70	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	18,230	16,070	17,550	16,200	14,910	16,590	7/10/2024

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. ²	16.2	7.2	15.5	10.2	18.0	13.4	7/10/2024

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

Void Area	1	2	3	4	5	6	7	8	9	10	Average	Test Date
Void Area (%)	18	18	18	18	18	18	18	18	18	17	18	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.
This test report shall not be reproduced except in full, without written approval of the laboratory.*