

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 C67/C67M - 23a Standard Test Methods for Sampling and Testing Brick and Structural Clay Tile

07/01/2024

| | | | |
|----------------|--|----------------|------------|
| Name: | The Belden Brick Company P. O. Box 430 Sugar creek, OH 44681 | Plant: | Sugarcreek |
| Phone: | 330-456-0031 | Sampled Date: | 6/4/2024 |
| Fax: | 330-456-2694 | Received Date: | 6/4/2024 |
| Report Number: | 12863-31923 | Fired Date: | 6/4/2024 |
| | | Product Code: | |
| | | Lot Number: | |

Description: **PLT 2, ALL SHALE W/ADDITIVE (PAVER, 2-1/4)**

| Absorption | 1 | 2 | 3 | 4 | 5 | Average | Test Date |
|--------------------------|----------|----------|----------|----------|----------|----------------|------------------|
| 24 Hour Cold Water (%) | 0.5 | 0.5 | 0.4 | 0.4 | 0.4 | 0.4 | 6/13/2024 |
| 5 Hour Boiling Water (%) | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | |
| Saturation Coefficient | 0.83 | 0.84 | 0.84 | 0.80 | 0.84 | 0.83 | |

| Compressive Strength | 1 | 2 | 3 | 4 | 5 | Average | Test Date |
|-----------------------------|----------|----------|----------|----------|----------|----------------|------------------|
| psi | 27,710 | 25,820 | 26,840 | 26,070 | 25,770 | 26,440 | 6/14/2024 |

| Efflorescence | 11 | 12 | 13 | 14 | 15 | Test Date |
|-------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| Efflorescence Detection | Not Effloresced | Not Effloresced | Not Effloresced | Not Effloresced | Not Effloresced | 6/19/2024 |

| Breaking Load | 1 | 2 | 3 | 4 | 5 | Average | Test Date |
|----------------------|----------|----------|----------|----------|----------|----------------|------------------|
| lb/in | 827 | 1,483 | 659 | 1,058 | 1,225 | 1,050 | 6/18/2024 |

| Abrasion Resistance | 1 | 2 | 3 | 4 | 5 | Average |
|----------------------------|----------|----------|----------|----------|----------|----------------|
| | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

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

ASTM C902 - 22 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX
Type: I, II, III

ASTM C1272 - 22a Standard Specification for Heavy Vehicular Paving Brick
Type: R

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.*