

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

11/19/2024

Name:	The Belden Brick Company P. O. Box 430 Sugar creek, OH 44681	Plant:	Sugarcreek
Phone:	330-456-0031	Sampled Date:	8/12/2024
Fax:	330-456-2694	Received Date:	8/12/2024
Report Number:	13054-32379	Fired Date:	8/12/2024

Description: **PLT 3, SHALE & FIRECLAY W/ADDITIVE (PAVER, 2-3/4")**

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Cold Water (%)	5.2	5.1	5.0	6.6	5.7	5.5	8/21/2024
5 Hour Boiling Water (%)	9.3	9.2	9.1	10.7	10.0	9.6	
Saturation Coefficient	0.56	0.56	0.55	0.61	0.57	0.57	

Compressive Strength	1	2	3	4	5	Average	Test Date
psi	13,090	12,550	13,400	12,210	11,940	12,640	8/22/2024

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
g/min/30 in. ²	4.5	10.6	5.7	9.4	16.4	9.3	8/28/2024

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

Breaking Load	1	2	3	4	5	Average	Test Date
lb/in	1,129	906	1,245	437	778	899	8/29/2024

Abrasion Resistance	1	2	3	4	5	Average
	0.04	0.04	0.04	0.05	0.05	0.04

E303 Surface Friction	1	2	3	4	Average	Test Date
BPN	80	82	82	83	82	8/23/2024

Surface Temperature (F): 71
Test Surface Location: BML
Type of Slider: Rubber

Condition of Slider: Good
Test Surface Texture: Paver (Sand Coated)

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

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: F, R

11/19/2024

Name: The Belden Brick Company

Report Number: 13054-32379


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.*