



BRICK TEST REPORT

Results of Tests on Brick conducted in accordance with ASTM C67-14 Standard Method for Sampling and Testing Brick and Structural Clay Tile

Client: The Belden Brick Company
P.O. Box 20910
Canton, OH 44701

Project: Brick Tests (SO# 703003340) **Project Number:** 1610167.4A

Date Received: March 28, 2016 **Sample Date:** March 23, 2016

Source of Bricks: The Belden Brick Company (Code Date 15-29)

Sample Description: PLT 3, SHALE/FIRECLAY, NO ADDITIVE (PAVER, 2-1/4")

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Submersion in Cold Water (%)	4.0	5.9	5.0	4.4	6.6	5.2	03/30/2016
5 Hour Submersion in Boiling Water (%)	7.7	9.7	8.7	7.9	10.0	8.8	
Saturation Coefficient (Ratio of 24hr to 5hr)	0.52	0.61	0.58	0.55	0.66	0.58	

Compressive Strength	1	2	3	4	5	Average	Test Date
<i>psi</i>	10,210	8,340	10,730	11,570	9,020	9,970	04/05/2016
<i>MPa</i>	70.4	57.5	74.0	79.8	62.2	68.8	

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
<i>g/min/30 in²</i>	19.4	14.5	15.3	16.0	14.8	15.4	4/5/2016

Efflorescence	11	12	13	14	15	Test Date
	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	Not Effloresced	04/5/2016

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

- ASTM C 216-15 Standard Specification for Facing Brick (Solid Masonry Units Made From Clay or Shale)
Grade: SW, MW
- ASTM C 902-14 Standard Specification for Pedestrian and Light Traffic Paving Brick
Class: SX, MX, NX
Type: I, II, III

James Henning, P.E. – Director of Testing Services