



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# 703003339) **Project Number:** 1610166.4A

Date Received: March 25, 2016 **Sample Date:** March 23, 2016

Source of Bricks: The Belden Brick Company (Code Date 15-33)

Sample Description: PLT 3, SHALE, NO ADDITIVE (FACE)

Absorption	1	2	3	4	5	Average	Test Date
24 Hour Submersion in Cold Water (%)	4.0	4.5	5.1	5.0	4.4	4.6	03/28/2016
5 Hour Submersion in Boiling Water (%)	7.7	8.3	8.9	8.9	8.1	8.4	
Saturation Coefficient (Ratio of 24hr to 5hr)	0.52	0.54	0.57	0.56	0.54	0.55	

Compressive Strength	1	2	3	4	5	Average	Test Date
<i>psi</i>	11,330	11,780	8,060	9,770	10,740	10,340	03/28/2016
<i>MPa</i>	78.1	81.2	55.6	67.4	74.0	71.3	

IRA (Oven Dried Method)	6	7	8	9	10	Average	Test Date
<i>g/min/30 in²</i>	17.4	17.8	16.9	18.3	18.5	17.8	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

D&A laboratory practices for the reported tests are in accordance with ASTM C1093-13A/E1 Practice for Accreditation of Testing Agencies for Masonry