



# PRODUCT TESTING SERVICES

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TCNA TEST REPORT NUMBER: TCNA-381-08 PAGE: 1 OF 1


**TEST REQUESTED BY:** Ironrock/Metropolitan Ceramics  
Attn: Roy Gorton, Jr.  
1201 Millerton Rd. SE  
Canton, OH 44707

**TEST SUBJECT MATERIAL:** Identified by client as: Metro-Brick

**TEST DATE:** 9/19/08

**TEST PROCEDURE:** Modified ASTM C666: "Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing."  
-Five control specimens were tested as received.  
-Five specimens were subjected to 300 freeze/thaw cycles as per ASTM C666 Procedure B.  
-Tensile bond strength of the center brick in each specimen was tested on control samples and after freeze/thaw cycling was completed according to the modified ASTM E488 test method.  
-Subject thin brick were precast into concrete prior to arrival in the laboratory.

**TEST RESULTS:** The control samples and the samples subjected to 300 freeze/thaw cycles meet the Precast/Prestressed Concrete Institute's published (April 2007) value of not less than 150 psi.

  
Katelyn Simpson  
Laboratory Manager

revised  
11/12/09  
Date