



CONSTRUCTION OBSERVATION REPORT

Project: The Park Danforth
Client: The Park Danforth
Client's Rep.: Ron Norton

S.W.COLE Project No.: 14-0065.2
Date: 7-8-16
Weather: Seasonal

Work in Progress: Northern Plasterwork: Remedial work at basement spray fire resistant material (SFRM) to address concerns regarding adhesion/cohesion.

Work Performed by S.W.COLE Rep.: Performed additional adhesion/cohesion testing in accordance with ASTM E736.

General Observations and Discussions: We understand Northern Plasterwork applied a water based bonding agent (Cafco Bond-Seal manufactured by Isolatek International) to the surface of the previously installed SFRM in the basement area during the last week of June. Isolatek technical sales representative Gary Krapish advocated for use of the sealer as a remedial measure in response to indications that the in-situ adhesion values were found to be below the project minimum value of 150-pcf during initial testing. We understand the goal of applying the sealer to the surface of the exposed SFRM was to help bind the surface together in hopes of distributing forces throughout the material. We also understand that some of the beams identified by Northern Plasterwork as having obvious issues with bond were scraped clean and had new SFRM applied prior to the application of the bond-seal.

On 7/5/16, we made a site visit to set up four additional adhesion/cohesion tests and returned on 7/8/16 to complete the testing. Results of retesting performed are as follows:

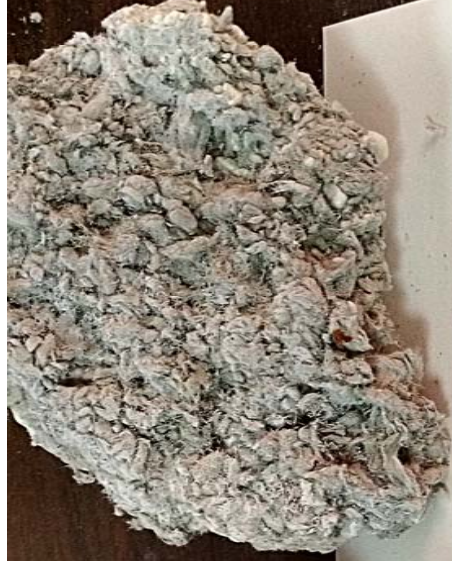
Test Location	Failure Type	Force (lbs)	Bond (pcf)	Specification (pcf)
Deck: E to F by 8 to 9	Cohesion	10	174	150
Deck: C to D by 2 to 3	Cohesion	20	347	150
Beam: A.1(+5) from 2 to 3-lines	Adhesion	8.5	148	150
Beam: F to G on 7-line	Adhesion	8	139	150

Time Onsite: Various
Attachments: Photos
Sheet: 1 of 1

S.W.COLE Rep.: K. Gimpel
Rev. by: RED



Beam
A. (S.)
from 2 to 3
148 pcf



Beam
F to G
on 7-trc
139 pcf



Deck
E to F
8 to 9
174 pcf



Deck
C to D
2 to 3
347 pcf