

Flame Off Coatings, Inc.
800 St. Marys Street, Suite 402
Raleigh, NC 27605
USA

August 17, 2015

RE: ASTM E736 - FIELD TESTING ON W10X100 STEEL COLUMN

To Mr. Scott Soesbee

QAI Laboratories Ltd. (QAI) is an International Accreditation Service, Inc. (IAS) accredited testing (TL-220), inspection (AA-723), certification body (PCA-119) and a Standards Council of Canada (SCC) accredited body for the testing, certification, and follow up inspections for fire-resistance of building materials and elements (ICS Code 13.220.50).

QAI field tested the bond strength of the CF50 water based intumescent paint by Flame Off Coatings, Inc applied to a W10x100 steel column. The test assembly was as follows:

- Sand Blasted W10x100 steel column
- 4 mils of Sherwin Williams Kembond® HS Universal Alkyd Metal Primer
- 95 mils of Flame Off Coatings, Inc. – CF-50 water based intumescent paint
 - ±15 mils thickness tolerance

Refer to QAI Design Listing B1077-1a for further assembly details:

http://www.qai.org/Listing_Pages/QAI_Listing_B1077-1a_Design_Listing.pdf

The results of the ASTM E736 – Field Test Procedure was that the coating assembly mentioned above achieved a bond strength greater than 7000 psf (335.3 kN/m²).

If you require further information please feel free to contact the undersigned.

Sincerely,
QAI Laboratories Ltd.



Jay Klassen
Special Projects Manager – Building Products