Product Case History

University of Ottawa

PRODUCT(S) USED:

Exterior Coating 1:	Nullifire S606
Exterior Coating 2:	Intumescent Fireproofing
Exterior Coating 3:	Carbothane 133 HB
Exterior Coating 4:	Aliphatic Acrylic-Polyester
Exterior Coating 5:	Polyurethane

LOCATION:

OTTAWA, ON

DATE OF APPLICATION:

WINTER 2003

MARKET:

COMMERCIAL/ARCHITECTURAL

SUBSTRATE:

STEEL

SURFACE PREP:

CLEAN & DRY

EXPOSURE:

FREQ. WET W/FRESH WATER; CONDENSATE, SPLASH OR SPRAY

SURFACE PREP:

SHOP PRIMER

AREA COATED:

In the hub of future Hi-Tech developments and university life in the nation's capital stands the new School of Information Technology and Engineering (S.I.T.E.) at the University of Ottawa. The SITE building is an impressive structure, visible from Highway 417 and the Rideau Canal. This new Ottawa landmark has many unique architectural features which provide the ideal environment to host one of Canada's leading computing schools.

Any person that visits, works or studies in this building is surrounded by an abundance of natural light, open spaces and brightly coloured structural components. Many of the structural steel members have been left exposed and are a truly integral part of the building design, structurally and architecturally.

The challenge of having structural steel fireproofing and given the surface characteristics of a highly decorative building component was met by using Nullifire S606, Intumescent Fireproofing topcoated with Carbothane 133 HB, Aliphatic Acrylic-Polyester Polyurethane. The topcoat was supplied in a custom colour, matched to the architectural specification and adjacent elements that were painted but not fireproofed.

University of Ottawa

COATING SELECTION EXPLANATION:

From an installation viewpoint, the combination of Nullifire S606 and Carbothane 133 HB allows for greater flexibility of installation. These products can be applied in a wider range of ambient temperature and humidity than traditional water based intumescent paints and topcoats. This unique feature was critical when it came to fireproofing the structural bracing. These elements were coated in a two stage operation, allowing for the installation of the curtain wall without interference from the fireproofing operations and ensuring that the required thickness of fireproofing was provided.

The extensive consultation between the designers (IKOY Architects), project managers (D'Aoust Construction), installer (Aries Contracting) and material supplier (Carboline/Nullifire) ensured that a very challenging project was successfully completed and has now become part of Ottawa's Hi-Tech landscape.