



# Fundamentals of Protective Coatings for Industrial Structures **C1**

**Level:** Basic

**Duration:** 5 Days / 40 Hours, Includes Course Exam

**Class Times:** Monday - Friday, 8:00 - 5:00

**Cost:** Member \$795, Non-Member \$995 (U.S. Dollars)

**Credits:** 3.8 CEU's

## DATES & LOCATIONS:

**September 17 - 21, 2007**

Monday - Friday  
8:00 a.m. - 5:00 p.m.

### Location:

College of the North Atlantic  
1 Prince Philip Drive  
St. John's NL A1C 5P7

### Email Registration:

[boyle@sspc.org](mailto:boyle@sspc.org)

**Contract training offerings can be arranged at company request. Dates and schedule customized to company specifications.**

## IMPORTANT INFORMATION:

C1 is a requirement for SSPC Protective Coatings Specialist (PCS) Certification

Those with less than 15 years coatings experience must successfully pass the C1 and C2 courses prior to applying to sit the PCS exam. Individuals who are unfamiliar with the fundamentals of coatings technology should consider enrolling in C1 prior to C2.

## TO REGISTER:

Contact Dee Boyle at  
877.281.7772, ext. 202  
or send email to:  
[boyle@sspc.org](mailto:boyle@sspc.org)

## Course Description

This course provides a comprehensive overview for people new to the protective coatings industry. It is also an ideal refresher for reviewing the fundamentals of corrosion and the use of coatings as a protective mechanism against corrosion and deterioration of industrial structures.

## Course Content

- Corrosion and Corrosion Control
- Coating Types and their Mechanisms and Protection
- Surface Preparation for Painting
- Application of Coatings
- Inspection and Quality Control
- Coatings for Steel Structures
- Coating Degradation, Defects, and Failures
- Coating of Concrete Surfaces
- Safety in Painting Operations

### After attending this course, participants will be able to:

- Identify types of corrosion and select coatings that meet project demands
- Recognize the different types of coatings available and various mechanisms at work in the process of protection
- Discuss how proper surface preparation is critical to achieving the maximum level of protection available through protective coating systems
- Describe the inspection equipment and methods used to ensure that all specification requirements are met
- Classify coating selection and application by facility and service environment
- List factors that accelerate coating deterioration and techniques use to avoid defects
- Distinguish between the unique selection and application problems with coating concrete surfaces
- Recognize the safety hazards involved in coating operations and the responsibilities of management and workers in safety training and practices.

## Course Format

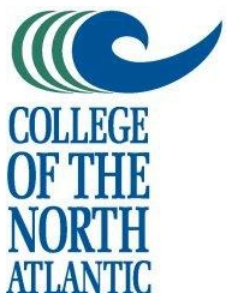
Each participant will receive a comprehensive manual that includes a glossary of terms, references for additional reading, and copies of relevant handouts, standards, and regulations.

The written exam consists of 100 multiple-choice questions. To receive a certificate and CEU's, you must attend all 40 hours of the course and attain a 70% or better score on the exam.

## Who Should Attend

Contractors, engineers, inspectors, consultants, facility owners, technical services and sales representatives.

College of the North Atlantic is the training partner in Newfoundland and Labrador for the Society for Protective Coatings (SSPC) courses C1 and C2



We're so much more