COATING INSPECTION COURSE

Coating Inspector Program Level 2 (CIP 2)

6-Day Classroom Course: Days 1–5: 8 a.m. to 6 p.m. • **Day 6:** 8 a.m. to 3:30 p.m.
4.9 CEUs

CIP Level 2 focuses on advanced inspection techniques and specialized application methods for both steel and non-steel substrates, including concrete using both nondestructive and destructive techniques. Surface preparation, coating types, inspection criteria, lab testing, and failure modes for various coatings, including specialized coatings and linings are also covered.

Classroom instruction is comprised of lectures, discussions, group exercises, and hands-on labs. Students will also participate in case studies based on real-life situations and practices of a coatings inspector.

Who Should Attend

CIP Level 1 inspectors seeking CIP Level 2 knowledge or certification who are/or will be responsible for performing and documenting non-destructive/destructive inspections of liquid and non-liquid coatings to any substrate in a shop or field setting, under the supervision of a CIP Level 3 inspector.

Prerequisites

Required
Successful completion of CIP Level 1 course

Recommended

- Math for the Coatings Professional e-Course
- Basic Corrosion or Basic Corrosion e-Course

Learning Objectives

- Explain advanced corrosion theory as it applies to the role of cathodic protection when used with coatings
- Identify types of environmental controls and inspection concerns associated with the use of digital electronic hygrometers, data loggers, and wind speed monitors
- Identify standards, methods of use, and inspection concerns for centrifugal blast cleaning and water-jetting equipment
- Recognize the importance of surface preparation, application, and inspection of liquid-applied and thick barrier linings
- Utilize destructive coating inspection equipment, such as adhesion and hardness testers, pH meters and ultrasonic thickness and eddy-current dry film thickness gauges
- Recognize the methods of use, standards, and inspection concerns for specialized application equipment including plural-component, electrostatic and centrifugal, and hot spray systems
- Recall concrete coating techniques, concerns and test instruments used for inspection
- Identify specialized coating techniques and application of non-liquid coatings including powdered coatings, spray metalizing, hot-dip galvanizing and automated coatings application
- Distinguish between different coating survey techniques, procedures, and common coating failure modes
- Describe maintenance coating operations, as well as health and safety concerns in relations to the inspector's work conditions

End of Course Exam

A practical exam is administered at the end of the course. Successful completion of the exam is required to earn a certificate of completion.

Certification Exams

NII certification requirements* include the practical exam administered at the end of course, along with an exam delivered via computer-based testing (CBT).

The multiple-choice CBT exam is scheduled separately from the course and delivered via Pearson VUE. A voucher needed to schedule the CBT exam is included as part of your initial course registration.