



# NACE CIP Level 1

**The world's leading source of training and information on coating inspection organized by IMC engineering S.r.l.**

This CIP Level 1 course offers over 60 hours of instruction on the technical and practical fundamentals of coating inspection work for structural steel projects. This course provides students with knowledge of coating materials and techniques for surface preparation and application that prepares the student to perform basic coating inspections using non-destructive techniques and inspection instrumentation.

Classroom instruction is comprised of lectures, discussions, group exercises and hands-on practical labs that teach the student how to perform basic inspection tests. A written exam, practical exam, and inspector log book evaluation are given at the end of the course.

There are no prerequisites for this course.

For more information please contact [training@imc-quorum.com](mailto:training@imc-quorum.com)

## Learning Objectives

- ✓ Recognize coating types and curing mechanisms
- ✓ Understand coating specifications including service environments and coating life cycle
- ✓ Understand surface preparation equipment, methods and standards for abrasive blasting, solvent cleaning and power and manual tool cleaning
- ✓ Apply coating by brush, roller, mitt, and conventional and airless spray
- ✓ Perform inspection procedures and the role of the inspector including safety, ethics, and conflict prevention and decision making
- ✓ Test for environmental or ambient conditions and non visible contaminants
- ✓ Utilize non-destructive test instruments such as wet-film and dry-film thickness gauges and low and high voltage holiday detectors
- ✓ Measure surface profile using replica tape and anvil micrometers, surface profile comparators, and digital surface profile gauges
- ✓ Identify quality control issues, recognizing design and fabrication defects and coating failure modes
- ✓ Use Material Safety Data Sheets (MSDS) and product technical data sheets
- ✓ Log and document data

LOCATION: PLACE TO BE DEFINED

DURATION: 6-Day Classroom Course - (the end time may change at the discretion of instructors)

- Sunday: 08:00 to 18:00
- Monday - Thursday: 08:00 to 18:30
- Friday (exam day): 08:00 to the end, unless otherwise noted

LANGUAGE: English