



Fundamentals of Protective Coatings (C1)

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Course language: English

This course provides a practical and comprehensive overview for those who are 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.

Who Should Attend: Contractors, engineers, inspectors, consultants, facility owners, technical services, and sales reps.

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

Certification: 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 CEUs you must attend all 40 hours of the course and attain at least 70% on the exam..

Note: C1 fulfills part of your training requirement for SSPC Protective Coatings Specialist (PCS) Certification. All students interested in pursuing PCS Certification having less than 15 years coatings experience must take the C1 Exam and the C2 Course prior to applying to sit for the PCS exam. Individuals who are unfamiliar with the fundamentals of coatings technology should consider taking C1 prior to C2.

Visit: <https://www.ampp.org/education/education-resources/courses-by-program/general-coatings/fundamentals-of-protective-coatings-c1>

For more information please contact training@imc-quorum.com

Learning Objectives

- ✓ Identify types of corrosion and select coatings that meet project demands
- ✓ Recognize the different types of coatings available and the 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 the factors that accelerate coating deterioration and the techniques used to avoid common defects
- ✓ Distinguish 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

DURATION:

5-Day Course (eCourse only)