



AMPP CIP 2 Exam Prep for Coatings Inspectors

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Course Overview:

AMPP CIP Level 2 Exam Prep: Coatings Inspector Certification Training is a five-day course designed for professionals preparing for the Certified Coatings Inspector Level 2 certification. The course supports both AMPP CIP Level 2 Theory Exam Prep and CIP Level 2 Practical Exam Prep by reviewing inspection theory, standards, coating systems, surface preparation, coating application, environmental conditions, documentation, and practical inspection tasks.

This AMPP CIP 2 Exam Prep Course focuses on the main exam content areas, including safety, inspection process, corrosion, environmental testing, surface preparation inspection, coatings and inspection, coating application, standards, teamwork, and ethics. It also prepares participants for practical stations such as PIG Gauge Inspection Training, Pull-Off Adhesion Testing Training, Eddy Current DFT Gauge Training, Surface Contamination Testing Training, Concrete Coating Inspection Training, Durometer Hardness Testing Training, and Environmental Testing for Coating Inspection.

Participants will strengthen their ability to interpret specifications, product data sheets, inspection plans, coating standards, coating thickness readings, surface profile results, soluble salts testing, and coating failure indicators. The course is suitable for inspectors who want structured AMPP CIP Level 2 Exam Preparation and practical coating inspection certification training.

Target Audience:

- Coating inspectors preparing for AMPP CIP Level 2 Exam Prep
- Basic Coatings Inspector Level 1 certificate holders
- QA/QC inspectors in coating and painting projects
- Protective coatings inspectors
- Corrosion and asset integrity technicians
- Painting inspectors and coating supervisors
- Maintenance and reliability inspection staff
- Field inspectors working on industrial coating projects
- Professionals seeking AMPP CIP 2 Certification Training or NACE CIP Level 2 Exam Prep

Targeted Organizational Departments:

- Quality Assurance and Quality Control
- Coating Inspection and Painting Inspection
- Corrosion Control and Asset Integrity
- Engineering and Technical Services
- Maintenance and Reliability
- Project Management and Site Supervision
- Oil and Gas Inspection Teams
- Marine, Offshore, and Shipyard Coating Teams
- Infrastructure and Bridge Maintenance
- HSE teams involved in coating, blasting, and waterjetting work

Targeted Industries:

- Oil and Gas
- Petrochemical and Refining
- Marine and Offshore
- Power Generation
- Water and Wastewater
- Infrastructure and Bridges
- Pipelines
- Manufacturing
- Construction and EPC
- Mining and Heavy Industry

Course Offerings:

By the end of this course, participants will be able to:



- Understand AMPP CIP Level 2 certification requirements and exam structure
- Prepare for the CIP Level 2 theory and practical exams
- Review key coating inspection principles and exam domains
- Interpret coating specifications, standards, SDS, PDS, and ITPs
- Explain corrosion types and coating protection methods
- Evaluate environmental conditions before and during coating work
- Inspect surface preparation, profile, cleanliness, and soluble salts
- Review coating systems, linings, galvanizing, metallizing, and powder coatings
- Apply coating thickness measurement concepts for DFT, WFT, and eddy current gauges
- Understand pull-off adhesion, PIG gauge, holiday detection, and hardness testing
- Improve coating inspection documentation and reporting accuracy
- Build a clear study plan for AMPP Certified Coatings Inspector Training

Training Methodology:

This course uses an exam-focused and practical learning approach. Sessions combine instructor-led explanations, technical discussions, PDF-based review, sample scenarios, group activities, and daily recap sessions. Participants review the AMPP CIP Level 2 Theory Exam Preparation content by domain, then connect each domain to realistic coating inspection decisions.

The practical side of the course follows the CIP Level 2 Practical Exam Prep station format. Participants review the purpose, method, common errors, and interpretation points for PIG gauges, pull-off adhesion tests, coating thickness over non-metallic substrates, concrete guidelines, durometer hardness, eddy current DFT gauges, surface contamination testing, and environmental testing.

The course also uses coating inspection examples from protective coatings, surface preparation, application, inspection documentation, DFT/WFT, coating failures, and maintenance references. Daily reflection sessions help participants identify weak areas and strengthen their exam readiness.

Course Toolbox:

- AMPP CIP Level 2 exam guide
- Exam blueprint review sheets
- Practical station review checklist examples
- Surface preparation standards summary
- DFT and WFT calculation examples
- Environmental testing reference notes
- Product Data Sheet and SDS examples

Note: Tools are not provided in this course. The course provides insights, examples, and exam-relevant explanations only.

Course Agenda:

Day 1: AMPP CIP Level 2 Exam Structure and Inspector Responsibilities

- **Topic 1:** AMPP CIP Level 2 certification pathway and exam requirements
- **Topic 2:** Theory exam format, content domains, timing, and question types
- **Topic 3:** Practical exam structure and the 8 hands-on inspection stations
- **Topic 4:** Certified Coatings Inspector Level 2 duties, limits, and responsibilities
- **Topic 5:** Safety review for coating inspectors, SDS, blasting, and waterjetting hazards
- **Topic 6:** Inspection process, specifications, PDS, standards, ITPs, and hold points
- **Reflection & Review:** Review AMPP CIP Level 2 Exam Prep requirements and key inspection process terms

Day 2: Corrosion, Environmental Conditions, and Coating Fundamentals

- **Topic 1:** Corrosion cell, anode, cathode, electrolyte, and metallic path
- **Topic 2:** Galvanic, crevice, pitting, localized, and flow-assisted corrosion
- **Topic 3:** Corrosion control methods and coating protection principles
- **Topic 4:** Environmental testing: air temperature, surface temperature, dew point, and humidity
- **Topic 5:** Enclosures, ventilation, lighting, dehumidification, and data loggers
- **Topic 6:** Coating types, coating layers, curing mechanisms, and coating defects
- **Reflection & Review:** Review corrosion and environmental testing concepts for the CIP Level 2 Theory Exam Prep

Day 3: Surface Preparation and Surface Contamination Inspection

- **Topic 1:** Surface preparation inspection for steel, non-ferrous metals, and concrete
- **Topic 2:** Solvent cleaning, hand tool cleaning, power tool cleaning, and abrasive blasting
- **Topic 3:** Waterjetting, centrifugal blasting, and surface cleanliness verification
- **Topic 4:** SSPC/NACE, ASTM, and ISO surface preparation standards overview
- **Topic 5:** Surface profile measurement using replica tape, gauges, and comparators
- **Topic 6:** Soluble salts, chlorides, dust, oil, grease, moisture, and flash rusting
- **Reflection & Review:** Review surface preparation inspection and soluble salts testing exam scenarios



Day 4: Coating Application, Thickness Measurement, and Practical Testing

- **Topic 1:** Coating application inspection: brush, roller, spray, airless spray, and plural component spray
- **Topic 2:** Mixing, thinning, pot life, curing, recoat windows, and stripe coating
- **Topic 3:** WFT and DFT measurement principles, readings, and common errors
- **Topic 4:** Magnetic, ultrasonic, and eddy current DFT gauge inspection methods
- **Topic 5:** Pull-off adhesion testing, failure modes, and result interpretation
- **Topic 6:** PIG gauge and Tooke gauge coating layer inspection
- **Reflection & Review:** Review coating thickness measurement, adhesion testing, and practical exam tasks

Day 5: Practical Exam Stations and Final Exam Readiness

- **Topic 1:** Practical station review: PIG gauge and coating thickness over non-metallic substrate
- **Topic 2:** Practical station review: pull-off adhesion test and durometer hardness test
- **Topic 3:** Practical station review: concrete guidelines and substrate inspection issues
- **Topic 4:** Practical station review: eddy current DFT, surface contamination, and environmental testing
- **Topic 5:** Documentation, ethics, teamwork, reporting, and inspection escalation
- **Topic 6:** Final theory review, weak-area correction, timing strategy, and exam-day preparation
- **Reflection & Review:** Build a personal AMPP CIP Level 2 exam readiness checklist

FAQ:

What specific qualifications or prerequisites are needed for participants before enrolling in the course?

Participants should ideally hold an active Basic Coatings Inspector Level 1 certification and have two years of coatings-related work experience. These are important prerequisites for candidates preparing for the AMPP CIP Level 2 certification pathway.

How long is each day's session, and is there a total number of hours required for the entire course?

Each day's session is generally structured to last around 4-5 hours, with breaks and interactive activities included. The total course duration spans five days, approximately 20-25 hours of instruction.



Is AMPP CIP Level 2 only a theory exam?

No. AMPP CIP Level 2 includes both a theory exam and a practical exam. The theory exam tests inspection knowledge, while the practical exam assesses hands-on inspection skills through stations such as PIG gauge, pull-off adhesion, eddy current DFT, surface contamination testing, environmental testing, concrete guidelines, and durometer hardness testing.

How This Course is Different from Other AMPP CIP Level 2 Exam Prep Courses:

This course is different because it is structured around both the theory and practical requirements of AMPP CIP Level 2, not only general coating inspection knowledge. It helps participants review the exam domains, understand practical station expectations, and connect inspection theory with real jobsite decisions.

The course covers AMPP CIP Level 2 Theory Exam Prep topics such as safety, inspection process, corrosion, environmental conditions, surface preparation, coatings and inspection, coating application, documentation, standards, teamwork, and ethics. It also includes CIP Level 2 Practical Exam Prep topics such as PIG gauge use, pull-off adhesion testing, eddy current DFT measurement, surface contamination testing, environmental testing, durometer hardness, and concrete coating inspection.

Participants gain a clearer understanding of how to read specifications, verify coating work, identify inspection risks, document results, and prepare for exam-style questions and practical tasks. This makes the course suitable for inspectors who need structured exam preparation and stronger workplace inspection confidence.



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