



Coating Inspector Bridge Specialty Written Exam

Exam Preparation Guide

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Introduction

The Coating Inspector Bridge Specialty written exam is designed to assess whether a candidate has the requisite knowledge and skills that a minimally qualified Coating Inspector with a Bridge Specialty must possess. The 50 multiple-choice questions are based on the Coating Inspector Bridge Specialty body of knowledge. A candidate should have working knowledge of surface preparation, coating application, environmental conditions, test instruments, and safety.

Test Name	AMPP- Coating Inspector Bridge Specialty written Exam
Test Code	NACE-Bridge-001
Time	70 Minutes*
Number of Questions	50
Format	Computer Based Testing (CBT)
Passing Score	Pass or Fail

**NOTE: Includes 4 minutes for the non-disclosure agreement and 6 minutes for the system tutorial.*

Target Audience

A Coating Inspector with a Bridge Specialty must hold a current AMPP Basic Coating Inspector (Level 1) certification or higher and is responsible for performing and documenting non-destructive inspections of liquid and non-liquid coatings to any substrate in a shop setting (e.g. workshop, factory, or plant) or under the supervision of a level 3 inspector when working in a field setting (e.g. production facilities, plants, or oil fields).

Requirements

Requirements for Coating Inspection Bridge Specialty

Prerequisite (choose one of the following options):
Certification- CIP level 1 or higher
Course Requirements
Strongly recommend the following course: +Course- Online Bridge Course
Core Exam Requirements
Exam – Coating Inspector Bridge Specialty written exam

Specialty renewal requirements: Renewal is completed with the primary certification. There are no additional requirements to renew this specialty.

Exam Blue Print

Domain 1- Inspector Role <ul style="list-style-type: none">Understand the: Role, mindset and responsibilities of a Bridge Coatings Inspector	1-4 %
Domain 2- Nomenclature <ul style="list-style-type: none">Understanding and recognition of: Bridge components, the deck, the superstructure, bearings, the substructure	42-48%
Domain 3- Inspection Plans <ul style="list-style-type: none">Understanding the: Importance of inspections, inspection plans and process control, and inspection plan elements	1-4 %
Domain 4- Safety and Containment <ul style="list-style-type: none">Understanding of the following: Importance of safety, hazards, risk management, containment and contractor responsibilities	6-10 %
Domain 5- Surface Preparation <ul style="list-style-type: none">Understanding of the: Challenges and surface preparation process	12-16 %
Domain 6- Coatings <ul style="list-style-type: none">Understanding of the: Key steps in the coating process, environmental challenges, and role of inspector during the coating process	16-20 %
Domain 7- CIP General Knowledge <ul style="list-style-type: none">Understanding of general CIP knowledge from CIP 1 applicable to Bridge a Coating Inspector	8-12 %

Types of Questions

Description of Questions

The questions on this exam are multiple-choice questions, where there is only one correct answer, some questions may have select all that apply and you will need to select more than one answer choice. The questions are based on the knowledge and skills required in the coating industry for a Coating Inspector Bridge Specialty. While the NACE training course is an excellent method of preparation it is not the only reference used in the development of the questions.

Sample Questions

The sample questions are included to illustrate the formats and types of questions that will be on the exam. Your performance on the sample questions should not be viewed as a predictor of your performance on the actual test.

1. Why is it important to establish effective containment systems when completing coatings projects on bridges? (Select all that apply.)
 - A. Facilitate the controlled collection of the debris for disposal
 - B. Prevent debris from entering into the environment
 - C. Prevent falls and reinforce scaffolding
 - D. Limit worker exposure to toxic metals

2. If the work does not match the requirements of the referenced standard, what action should be taken by the Bridge Coating Inspector?
 - A. Direct workers to redo the work
 - B. Communicate the discrepancy to the Project Manager verbally
 - C. Issue a nonconformance report (NCR) on work not performed according to the specification
 - D. Revise the test results to show compliance with the standard

3. What should a Bridge Coating Inspector know about signage?
 - A. Only traffic and guide signs affixed to overhead sign posts need to be considered for cleaning and coating
 - B. The message face of a large, overhead sign must be protected during blasting and coating
 - C. Large, overhead signs supported by trusses and arms can be ignored during the cleaning and coating process
 - D. The signs must be covered or removed

4. Deck Drainage systems _____. (Select all that apply.)
 - A. do not require coating
 - B. are composed of steel that requires coating
 - C. have many components such as deck drains, downspout pipes and expansion systems
 - D. have many components such as deck drains, outlet pipes and clean-out plugs

Answer Key

1. A, B and D

Reference: AMPP Coating Inspection Program Bridge course materials.

2. C

Reference: AMPP Coating Inspection Program Bridge course materials.

3. B

Reference: AMPP Coating Inspection Program Bridge course materials.

4. B and D

Reference: AMPP Coating Inspection Program Bridge course materials.

Preparation

Training

AMPP Online Bridge Course

Reference Material

AMPP CIP Level 1 course materials

AMPP Coating Inspection Program Bridge course materials