



*Training Course:
BGAS-CSWIP Site Coatings Inspector – Exam
Prep*

*15 - 26 September 2025
Kuala Lumpur (Malaysia)
Royale Chulan Kuala Lumpur*

Training Course: BGAS-CSWIP Site Coatings Inspector □ Exam Prep

Training Course code: EN236154 From: 15 - 26 September 2025 Venue: Kuala Lumpur (Malaysia) - Royale Chulan Kuala Lumpur Training Course Fees: 10600 □ Euro

Introduction

The BGAS-CSWIP Site Coatings Inspector certification is internationally recognized and crucial for professionals involved in surface preparation and protective coatings inspection in construction, oil & gas, and infrastructure sectors. This comprehensive 12-day training program—designed by Global Horizon Training Center—prepares participants for the BGAS-CSWIP examination by providing both theoretical knowledge and practical skills in coatings inspection, surface preparation, environmental monitoring, safety, and reporting procedures.

The course structure follows BGAS-CSWIP Grade 2 requirements with progression toward Grade 1 knowledge areas, aligning with TWI standards for site coating inspectors.

Objectives

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

- Understand the principles of surface preparation and coatings application.
- Identify coating systems and defects on various substrates.
- Conduct inspections according to international standards and specifications.
- Use relevant inspection instruments and tools accurately.
- Record inspection results and generate professional reports.
- Prepare for and successfully pass the BGAS-CSWIP Site Coatings Inspector exam.

Organizational Impact

- Improved quality assurance in coating projects
- Compliance with international coating and inspection standards
- Reduced failures and maintenance costs due to coating defects
- Increased safety and environmental adherence in coating operations
- Competency-building for coating QA/QC departments

Target Audience

- Painting and Coating Inspectors
- QA/QC Technicians in Surface Protection
- Engineers and Supervisors in Oil & Gas, Marine, and Construction
- NACE/BGAS/CSWIP certification candidates
- Coating manufacturers and applicator company personnel

Training Program Outline

Day 1: Introduction to Protective Coatings and BGAS-CSWIP Requirements

- Purpose of protective coatings
- Corrosion basics and coating roles
- BGAS-CSWIP certification overview Grades 2 & 1
- Relevant international standards ISO, SSPC, NACE, etc.

Day 2: Surface Preparation Methods and Standards

- Abrasive blasting dry, wet, vacuum, hand and power tools
- ISO 8501 and SSPC standards
- Surface cleanliness grades and visual comparators
- Anchor profile measurement Replicas, TQC, Testex, etc.

Day 3: Environmental Conditions and Monitoring

- Dew point, humidity, and temperature control
- Instruments: hygrometers, thermometers, dew point meters
- Environmental limitations for coating applications

- Recording and interpreting environmental data

Day 4: Coating Types, Systems, and Materials

- Epoxy, polyurethane, alkyds, zinc-rich primers
- Paint datasheets and technical specifications
- Coating system selection for different environments
- Mixing, thinning, pot life, and application limits

Day 5: Application Methods and Safety Procedures

- Brush, roller, airless spray, conventional spray
- Equipment handling and calibration
- PPE and safety procedures in coating works
- Common coating application defects and causes

Day 6: Wet and Dry Film Thickness WFT/DFT Measurement

- Standards: ISO 2808, SSPC-PA2
- Tools: WFT combs, magnetic DFT gauges, digital DFT meters
- Frequency and location of measurements
- Reading interpretation and compliance verification

Day 7: Holiday Detection and Adhesion Testing

- Low and high-voltage holiday detectors
- Spark testing on pipeline and tank linings
- Cross-hatch and pull-off adhesion testing
- Acceptable results based on specification

Day 8: Visual Inspection and Defect Identification

- Common coating defects sags, pinholes, cratering, blistering
- Visual standards and inspection records

- Coating failure case studies
- Inspection during each stage of surface and coating

Day 9: Specifications, Method Statements, and Inspection Plans

- Understanding project specifications
- Inspection Test Plans ITP and quality documentation
- Writing NCRs, punch lists, and acceptance criteria
- Method statements and checklists

Day 10: Reporting and Documentation

- Daily reports and inspection logbooks
- Photographic records and inspection sketches
- Coating condition assessments
- Final coating inspection report preparation

Day 11: Advanced Coating Standards and Field Inspection Practices

- Overview of International Standards and Codes
- Specialized Coating Systems and Inspection Challenges
- Third-Party Inspection, Audits, and Documentation
- Common Field Non-Conformities and Resolution Strategies

Day 12: Exam & Preparation

- Review of BGAS-CSWIP exam format and topics
- Sample theory questions and discussion
- Mock practical and theory exam under timed conditions
- Final Q&A, exam preparation checklist, and guidance for application process

Registration form on the Training Course: BGAS-CSWIP Site Coatings Inspector □ Exam Prep

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
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