INSTITUTE OF MATERIALS, MALAYSIA

IMM Coating Certification Scheme

Certified Coating Inspector Level 2

Code: CIL2 *HRDF claimable*

IMM offers the Coating Inspector Level 2 certification program to broaden the technical knowledge and perform inspection analysis and monitoring in a structured and systematic inspection diagnostic.

Reference standards (reference used shall refer to the latest published document):

- ASTM D 1186-87: Non Destructive Measurement of Dry Film Thickness of Non Magnetic Coatings Applied to a Ferrous Base
- ASTM D 3359-87: Measuring Adhesion by Tape Test
- ASTM D 4541-95: Pull-Off Strength of Coatings by Portable Adhesion Testers
- ASTM D 5162-91: Discontinuity (holiday) Testing of Non-Conductive Protective Coating on Metallic Substrates
- ASTM D 610: Evaluation Degree of Rusting on Painted Steel Surfaces
- ASTM D 6677: Standard Test Method for Evaluating Adhesion by Knife
- ISO 8501-1: Preparation of Steel Substrates Before Application of Paint and Related Products – Visual Assessment of Surface Cleanliness
- ISO 8509: Tests for the Assessment of Surface Cleanliness
- MS 2736 (previously known as IMM FP01): Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods

Who should apply

The program is suitable for candidate who has already been certified as Coating Inspector Level 1 or others with equivalent qualification.

Objectives

To access the following knowledge and skills:

- Specify protective paint/coating system to a variety of substrates
- Supervise the preparation of substrates prior to painting
- Supervise the application of paint coatings
- Conduct inspections to satisfy clients/industry & government standards
- Diagnose and rectify faults in paint coatings and communicate in written form

Examination topics

- Corrosion theory and terminology
- Advance surface preparation
- Advance paint faults and coating defects test
- Measuring instrument/inspection – Diagnose failure
- Composition & manufacture of paints
- Application & storage of paints
- The role of a coating inspector/inspection test plan
- Painting specification
- Calculation/mathematics
- Safety and health

Examination format

The examination consists of 3 sections to be conducted over 1 full day.

- Paper 1 consists of 10 multiple choice questions (1 mark each) and 6 subjective questions (10 marks each).
- Paper 2 consists of 4 practical questions (10 marks each)
- Paper 3 is the oral examination (25 marks) whereby each candidate will be interviewed individually.

Examination duration
Paper 1 - 3 hours
Paper 2 - 2 hours
Paper 3 - 30 minutes
The oral examination may be conducted in parallel with the practical session.

Examination fee
As specified on the IMM website.

Candidate's criteria
Candidate should have

- Minimum six (6) months of documented working experience after obtaining IMM Coating Inspector Level 1 certification or equivalent qualifications OR
- Attended relevant academic Coating Inspection Course dedicated to the IMM Coating Inspector Level 1 Certification with at least 6 months of practical field experience in coating inspection.

Pre-requisite training
A candidate without experience is required to attend IMM approved/recognized Coating Inspector Level 2 training course with a minimum duration of 1 day (8 hours) which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend an IMM approved/recognized Coating Inspector Level 2 training course for examination preparation and scheme alignment.

Note: Evidence of training completion (where applicable) shall be submitted to the IMM prior to examination approval.

Criteria for certification
The candidate must pass the examination with a minimum mark of 70% for each paper.

Certificate awarded
IMM Certified Coating Inspector Level 2

Validity period of certificate
5 years

Re-sit of examination
A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification
Candidates may submit a recertification application up to six (6) months before or within six (6) months after the certificate expiry date. Applications submitted within this period will be processed as usual and may require attendance at a refresher course, if applicable.

Applications submitted more than six (6) months after the certificate expiry date require the candidate to:

- Attend the refresher course, if applicable; and
- Retake the certification examination, regardless of work experience.

Candidates may apply to renew their certification for an additional five (5) years within six (6) months prior to the expiry of the certification period (after either the initial 5-year certification or the subsequent 5-year renewal) by:

- Providing proof to IMM of employment in a related field; and
- Attending the refresher course, if applicable.

Candidates who have been out of the profession for more than eighteen (18) months at any point during a 5-year certification or recertification period must retake the certification examination.