



INSTITUTE OF MATERIAL, 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 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 candidates 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 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 - 3 hours

Paper 3 - 20 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

- Candidate should have valid Certified Coating Inspector Level 1 and minimum six (6) months of documented working experience after obtaining IMM CI 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 is encouraged to attend the 1-day IMM approved/recognized training course which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

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

6 months prior to the expiry of certification (at the end of the 5th year of certification), the candidate can apply for re-certification for another 5 years by

- providing proof to IMM that he/she has been employed in a related profession; and
- attending the relevant Refresher Course for certification (if any).

Prior to the expiry of the 5-year re-certification (at the end of the 10th year of certification), the candidate can continue to be certified for a further 5-year period by

- providing proof to IMM that he/she has been employed in a related profession; and
- attending the relevant Refresher Course for certification (if any).

The candidate must re-sit the certification examination if he/she has been out of the profession for more than 18 months continuously during the 5-year certification or re-certification period.