



Institute of Materials, Malaysia

IMM Coating Fingerprint Training Course

Coating Fingerprint Quality Controller Refresher Course

Code: FPR

Coating Fingerprint Quality Controller Level 1 or Level 2 has a 5-year certification validity followed by another 5-year re-certification period. As a result, after 10 years, the certification needs to be renewed. Hence, the Refresher Course of IMM Certified Coating Fingerprint Quality Controller is designed to ensure that the quality controllers keep their knowledge up-to-date. While many of the quality controllers will carry out numerous important tests in their work, it is very likely they will not retrain for all the topics covered in Coating Fingerprint Quality Controller Level 1 or Level 2 certification examinations. This refresher course is designed to review and revise the batch-to-batch consistency and authentication of paints using FTIR analysis.

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

- IMM FP01, *Coating Fingerprinting Overall Procedures for Paints Using FTIR and Other Related Methods*
- IMM FP02, *Paint Raw Material Overall Procedures Using FTIR and Other Related Methods*
- IMM FP03, *Dried Coating Fingerprinting Overall Procedures Using FTIR and Other Related Methods*

Who should apply

The program is suitable for IMM Certified Coating Fingerprint Quality Controller Level 1 or Level 2 or IMM Certified Coating Fingerprint Trainer whose certification is about to expire.

Before the end of the 5-year re-certification period, the candidate must attend the Refresher Course to renew the certification. Prior to that, the candidate shall attend the Refresher Course for IMM Certified Coating Fingerprint Quality Controller or Certified Coating Fingerprint Trainer.

Objective

This program aims to serve as a useful refresher course for IMM Certified Coating Fingerprint Quality Controller and IMM Certified Coating Fingerprint Trainer who want to be re-certified.

Course topics

- Preparation, review and validation of the Coating Fingerprint Certificate and the compulsory & optional appendices
- IMM FTIR Analysis Standards for protective coatings
- In-house and on-site FTIR testing for protective coatings
- Up-to-date introduction to FTIR hardware and software: desktop, mobile and handheld
- Generation of Reference FTIR spectrum before the qualification for new maintenance painting system and products for offshore application
- Estimation of degree of similarity for in-house / on-site sample FTIR spectrum with Reference FTIR spectrum
- Rejection and acceptance of samples based on threshold set using different *Compare* algorithms
- Interpretation of FTIR test results: in-house, 3rd-party laboratory and on-site

Program duration and mode

Half day and may be conducted on-line.



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IMM CPD points

Participants are entitled for 16 IMM CPD points (*4 activity hours x 1 day x 4 weightage factor*).

Candidate's criteria

Candidate shall possess IMM Certified Coating Fingerprint Quality Controller Level 1 or Level 2 or IMM Certified Coating Fingerprint Trainer or equivalent. While this course is not mandatory for those who are being re-certified for the first time, the certified individual is encouraged to attend.

However, this course is mandatory at the expiry of the re-certification period (at the end of the 10th year of certification), for all certified individuals as a pre-requisite for re-certification by IMM.

Certificate awarded

Certificate of attendance

Validity period of certificate

1 year

Information on re-certification

The candidate is eligible for re-certification within 1 year of attendance subject to the following conditions being met:

- providing proof to IMM that he/she has been employed in a related profession
- accumulating sufficient CPD points*

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 certification/re-certification period.

** The minimum number of CPD Points to be accumulated over a 5-year period shall be 100 points with an annual requirement of at least 10 points.*