



INSTITUTE OF MATERIAL, MALAYSIA

IMM Coating Training Course

Basic Knowledge on Corrosion Protection for Technicians and Engineers Course

Code: CPTE

HRDF claimable

Today, there is still a lack of knowledge on corrosion protection for many technicians and engineers. Industries need to address this problem urgently to ensure that all facilities to be built will be free from serious corrosion problem in the future and all existing facilities are maintained properly.

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

- TBA

Who should apply

Technicians and engineers

Objectives

This one-day training aims to provide participants with the much-needed basic knowledge and skills in corrosion protection:

1. What corrosion is and the seriousness of corrosion problem.
2. Common mistakes made by designers will aggravate corrosion problem.
3. The importance of good QA/QC (Role of coating inspector).
4. Corrosion protection by painting.

Course topics

1. Introduction to corrosion.
2. How serious is the corrosion problem?
3. Some common mistakes made by the designer or engineer who prepared the technical drawings/specifications.
4. Poor QA/QC lead to early corrosion of newly built facilities.
5. Philosophy of maintenance.
6. How long can facilities or structures last with good maintenance?
7. Methods of corrosion protection.
8. Do galvanised & stainless-steel surface need to be protected against corrosion?
9. Corrosion protection by painting:
 - What is the paint?
 - The importance of surface preparation.
 - Painting specification and coating selection.
 - Application and storage of paints.
 - Paint faults and coating defects.
 - Test and measuring instruments to be used for QA/QC.
 - Safety and health and the role of a coating inspector.

Course duration

1 day

Pre-requisite(s)

No previous working experience is required.

Certificate awarded

Certificate of attendance