INDUSTRIAL COATING AND LINING APPLICATION SPECIALIST

LEVEL 1

Curriculum Notes

• 307.5 Hours
• Published: 2009
• Core is not a prerequisite for Industrial Coatings and Lining Application Specialist.
• Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at www.nccer.org/irc.

PAPERBACK

ISBN

Trainee Guide: $104.99
978-0-13-604508-3
Individual Modules: $24.99
see module list

MODULES

The modules listed below are included in the Trainee Guide. The following ISBNs are for ordering individual modules only.

Industrial Coating and Lining Application Specialist follows the standard on Industrial Coating and Lining Application Specialist Qualification available from NACE International.

Basic Safety (15 Hours)
(Module ID 00101-04; from Core, Third Edition) Explains the safety obligations of workers, supervisors, and managers to ensure a safe workplace. Discusses the causes and results of accidents and the dangers of rationalizing risk. Reviews the role of company policies and OSHA regulations in maintaining a safe workplace. Introduces common job-site hazards and protections such as lockout/tagout, personal protective equipment (PPE), and HazCom.

Basic Rigging (20 Hours)
(Module ID 00106-04; from Core, Third Edition) Explains how ropes, chains, hoists, loaders, and cranes are used to move material and equipment from one location to another on a job site. Describes inspection techniques and load-handling safety practices. Also reviews American National Standards Institute (ANSI) hand signals.

Introduction to the Trade (5 Hours)
(Module ID 69101-09) Provides an introduction to the coatings industry, including career opportunities and an introduction to coatings safety.

Surface Preparation (100 Hours)
(Module ID 69102-09) Explains reasons for surface preparation, standards of preparation, and methods of preparing surfaces. Describes the use of basic equipment as well as cleaning procedures.

Industrials Coatings (15 Hours)
(Module ID 69103-09) Discusses types of coatings, their advantages and disadvantages, applications, and specific preparations required.

Coating Application (105 Hours)
(Module ID 69104-09) Covers the application of various coatings, including equipment setup, mixing, and preparation of coatings.

Health and Safety, Debris Management, Containment, and Ventilation (47.5 Hours)
(Module ID 69105-09) Teaches proper health and safety procedures for operators applying coatings in an industrial workplace. The use of personal protection equipment, debris management, and proper containment and ventilation procedures are discussed.

LEVEL 2

Curriculum Notes

• 320 Hours
• Published: 2010
• Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at www.nccer.org/irc.

PAPERBACK

ISBN

Trainee Guide: $104.99
978-0-13-604510-6
Individual Modules: $24.99
see module list

MODULES

The modules listed below are included in the Trainee Guide. The following ISBNs are for ordering individual modules only.

Industrial Coating Safety (30 Hours)
(Module ID 69201-10) Describes safety standards and regulations, access control, and personal safety equipment and training requirements. Covers safety decision-making procedures.

Corrosion Protection (5 Hours)
(Module ID 69202-10) Teaches the elements of corrosion in concrete and metals and describes the chemistry of corrosion.

Work Planning and Quality Control (25 Hours)
(Module ID 69203-10) Teaches proper health and safety procedures for operators applying coatings in an industrial workplace. The use of personal protection equipment, debris management, and proper containment and ventilation procedures are discussed.

Containment (60 Hours)
(Module ID 69204-10) Describes the types of containment appropriate to various coating and surface preparation applications, including standards and verification. Also covers containment erection and repair.

Surface Preparation Two (80 Hours)
(Module ID 69205-10) Explains how to identify the surface condition of common substrates. Provides specific training in surface-preparation equipment. Describes inspection and documentation of test equipment, and processes.

Industrial Coatings Two (20 Hours)
(Module ID 69206-10) Discusses the physical properties of various coatings, including convertible and nonconvertible types. Also covers basic curing mechanisms and methods of film formation.

Coating Applications Two (100 Hours)
(Module ID 69207-10) Covers the setup, maintenance, and disassembly of conventional air spray, airless spray, air-assisted airless spray, and HVLP spraying equipment, including testing and documentation. Also covers overcoating and explains how to use wet and dry film thickness gauges.