

CONCRETE COATING TRAINING COURSES



CONCRETE COATING BASICS ECOURSE (CCB)



The online course provides a practical and comprehensive overview of the concrete coating industry. This course is designed to provide basic training to concrete coating contractors and is a mandatory prerequisite for individuals seeking Concrete Coating Inspector Certification. This course meets the practical training requirements of SSPC-QP 8, Section 4.4, which requires that each job crew chief and each QC Manager complete a minimum two-day overview of concrete components, coating and surfacing types, surface preparation and substrate repair techniques based on SSPC-Guide 20, Procedures for Applying Thick Film Coatings and Surfacing Over Concrete Floors.

Course Content

- Concrete Composition
- Coating and Surfacing Concrete
- Concrete Condition Assessment
- Concrete Joint and Crack Repair
- Concrete Surface Preparation
- Readiness Prior to Installation
- General Installation Guidelines
- Selection of Concrete Coatings
- Concrete Coating Application Methods
- Post-Installation Quality Assurance

Course Format

This online course contains core content modules, workshops, and quizzes. At the end of the course, a 50-question multiple choice final examination is given. In addition to completing all of the course modules, a passing grade of 70% or higher is needed on the final exam to receive a certificate of completion and CEUs.

Who Should Attend

Concrete coating managers, contractors, specifying engineers, technical representatives, concrete coating educators, and material and equipment suppliers involved in the concrete coating industry should take this course.

Note

This course is a prerequisite to attend the SSPC Concrete Coating Inspector Program (CCI).



CONCRETE COATING INSPECTOR (CCI)



The objective of this course is to thoroughly train individuals in the proper methods of inspecting surface preparation and installation of industrial protective coatings on concrete industrial structures and facilities.

Course Content

- Navigating a coating specifications
- Simulated pre-job conference
- Roles of QA and QC in concrete coating inspection projects
- Operations safety
- Recognizing surface irregularities caused by concrete placement, finishing, and curing
- General inspection
- Concrete coating inspection instrumentation review
- Inspecting concrete surface preparation
- Concrete moisture testing
- Inspecting concrete coating application
- Concrete inspection procedure development
- Simulated concrete project inspection

Who Should Attend

Inspectors, contractor managers, specifying engineers, technical representatives and material and equipment suppliers involved in the concrete coating industry should attend this course.

Course Format

The course includes lecture, hands-on workshops, quizzes, written homework, and assigned readings from the manual.

Days 1-3

Days 1-3 of the program are devoted to classroom lecture about planning and providing third party quality assurance, job site inspection, operations safety, inspection of concrete surface preparation, and concrete moisture testing. Lectures are supplemented by quizzes and group exercises.

Day 4

Day 4 will begin with inspection of coating application followed by a coating adhesion testing workshop. Then, students will begin the inspection plan development workshop. Following these workshops, students will take the CCI Level 1 written exam that consists of 50 multiple-choice questions and a hands-on practical exam on the use of inspection instruments. A passing grade of 70% or higher on both the written and hands-on Level I exam is required to move on to the Level 2 certification exam given on Day 5.

Day 5

On Day 5, the Concrete Coating Inspector Level 2 certification exam is given. The exam consists of three parts: 100 multiple-choice questions, inspection plan development, and hands-on practical use of instruments. A passing grade of 80% or higher on each of the three parts of the exam is required to become an SSPC Level 2 Concrete Coating Inspector.

