



Improving Performance and Durability of Coatings (CP-6610-V)

This course discusses facts and findings affecting the performance and permanence of coatings. The course covers not only methods of enhancing durability, but properties and selection of raw materials and processes which lead to robust coatings. Guidelines for and properties of durable coatings, coating selection, service life prediction, and coating evaluation will also be presented.

WHO SHOULD ATTEND?

The course is designed to provide technical information for coatings and paint users in all industries, paint manufacturers, and raw material suppliers at all levels. The course is appropriate for personnel with limited to very good knowledge of coatings operations who need or want to learn up-to-date information on the subject.

WHAT YOU WILL LEARN:

- How to assess the performance and durability of coatings based on the most recent methodologies (published and unpublished).
- Gain an overall understanding of the mechanisms and reasons for coating failure.
- How to enhance coating performance and durability.
- Develop an understanding of raw materials contributions to durability and performance and how to select them.
- Receive unbiased technical opinions on all aspects of coatings.

Virtual Course Outline

- Coating failure, root cause analysis, and service life assessment.
- Parameters affecting coating durability.
- Characteristics of durable polymers.
- Film formation and cure of coatings.
- Raw materials, formulation and manufacturing contributions.
- Photochemistry of polymer degradation.
- Accelerated tests for evaluating and predicting coating durability.
- Methods of enhancing the durability and performance of coatings.
- Coating service life prediction.

Virtual Course Details

- The virtual course will be presented live via Zoom Media. Participants may attend from either home or office, and will require a computer with a microphone and webcam.
- Participants must attend 100% of all sessions to receive an electronic/printed certificate of completion.
- Scheduled course times are Eastern Standard Time (EST).
- Private questions/consulting sessions maybe scheduled by attendees during the designated hours.
- All training materials (slides) will be available for download.