

Provider: Evonik Corporation

Program: Corrosion of Steel Reinforced Concrete – Causes and Prevention

Program Number: COR2017

HSW: Yes

Length: 1.25 hour

Credits: 1.25 AIA/CES Learning Unit

Description: The presentation provides detailed information on the electrochemical process which causes steel corrosion in concrete. The relationship between concrete quality, design, protective systems and corrosion initiation will be presented.

Learning Objectives: Learn basics of concrete steel reinforced corrosion, including electrochemical theory, environmental factors and economic consequences. Learn protective measures to prevent corrosion for new construction. Understand remediation techniques to mitigate active corrosion on existing structures. Learn to evaluate alternate remediation methods and their life cycle costs.