

# **CEI Composite Materials**

## **CE Course- outline**

### **I. Course Description**

This course discusses the versatility and functionality of MCM by examining applications and advantages, testing, the role of the manufacturer vs fabricator and evaluating different types of ACM systems, finishes, and coatings.

### **II. Learning Objectives (5min)**

1. What is MCM / ACM
2. MCM Availability & Configuration
3. Role of a Manufacturer
4. Role of a Fabricator
5. Understand the different MCM / ACM systems and how they function

### **III. Metal Composite Material (MCM) (10min)**

1. History
2. Applications and Advantages
3. MCM / ACM Specific Test

### **IV. Manufacturer (15min)**

1. Role & Capabilities
2. Manufacturing and paint process
3. Available Finishes & Configurations

### **V. Fabricator Role (20 - 25min)**

1. Role & Capabilities
2. Fabrication process ( Insert Video)
3. Systems - descriptions, advantages, performance

### **VI. Course Summary w/ Questions afterward (5-10min)**