

Design & Specification of ACM / MCM in Today's Architecture

A Technically Orientated Discussion of Today's Aluminum Composite Material

Presented by
Mitsubishi Chemical Composite America
ALPOLIC Materials

Course Specifics

Length: 60 Min. (40-50 minute presentation)

Learning Credit Units: AIA 1.0

This course is HSW-SD Approved & ASID/IIDA 0.1 Credit Available

This presentation will cover a wide range of timely topics important to the Architect, Designer, and Specifier of contemporary interior and exterior metal panels. It will provide an overview of aluminum and metal composite materials as well address ACM's attributes, basic design guidelines, attachment systems, specifications, and cost considerations.

The following Learning Objectives will be covered:

1. ACM/MCM
 - 1.1 Definitions and Attributes
 - 1.2 Material Structures
 - 1.3 Manufacturing Process
2. Physical Characteristics
 - 2.1 Strength of Material
 - 2.2 PE and FR Core
3. Finish Characteristics
 - 3.1. Paint
 - 3.2. PVDF vs FEVE
 - 3.3. Natural Metals
4. ACM/MCM vs Other Alternatives
5. Attachment Systems
 - 5.1 Exterior: Wet Seal, Dry Seal, Rain Screen
 - 5.2 Interior
6. Application Examples
7. Cost Considerations
8. ACM/MCM Specification Writing
9. Project Communications

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