ALPOLIC®
METAL COMPOSITE MATERIALS

Design & Specification of MCM in Today's Architecture

A Technically Orientated Discussion of Today's Metal Composite Material

Presented by
ALPOLIC Materials – a division of Mitsubishi Chemical America

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 MCM's attributes, basic design guidelines, attachment systems, specifications, and cost considerations.

The following Learning Objectives will be covered:

1. **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. **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. **MCM Specification Writing**
9. **Project Communications**

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