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RESEARCH REPORT: RR 26029  
(CSI # 07 42 43)

BASED UPON ICC-ES EVALUATION  
REPORT NO. ESR-3704

REEVALUATION DUE

DATE: February 1, 2021  
Issued Date: February 1, 2019  
Code: 2017 LABC

**GENERAL APPROVAL** – Reevaluation – Alpollic® AP and AT Aluminum Composite  
Exterior and Interior Wall Panels

## DETAILS

The above assemblies and/or products are approved when in compliance with the use, description, design, installation, conditions of approval, and identification of Evaluation Report No. ESR-3704 reissued February 2018 of the ICC-ES Evaluation Services, LLC. The report, in its entirety, is attached and made part of this general approval.

### **The approval is subject to the following conditions:**

1. Installation of wall panels must comply with this report and the manufacturer's published installation instructions.
2. The design of the structural support system and panels' fastening to their supporting aluminum perimeter rails, clips and/or framing members provided by the MCM systems fabricator shall be submitted to and approved by the Structural Plan Check Section for each project. The allowable transverse load capacity for the MCM system, including panels and their interlock with their accessories, must be submitted to and approved by the Structural Plan Check Section for each project. The allowable transverse load capacity must equal or exceed the design loads determined in accordance with chapter 16 of the 2017 Los Angeles Building Code.

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3. Calculations and detail drawings shall be designed by a California registered civil or structural engineer or architect. The calculations and details shall include the design of the structural silicone sealant between the composite material and aluminum accessories, design of aluminum rails, stiffeners and clips and design of building framing and panel mounting hardware.
4. The Alpolic® AP and AT wall panels shall be limited to non-load bearing wall applications.
5. The Alpolic® AP and AT wall panels may be installed on the outer surface of a fire-resistance-rated exterior wall assembly provided the panel assembly attachments do not penetrate through the entire exterior wall assembly.
6. The Alpolic® AP and AT wall panels shall be installed as specified in section 4.5 of attached ES report where exterior walls are required to be non-combustible on buildings of type I, II, III or IV construction in accordance with 1407.10.1 and 1407.10.2 of the 2017 Los Angeles Building Code.
7. The Alpolic® AP and AT wall panels may be used as an interior wall finish in compliance with Chapter 8 of 2017 Los Angeles Building Code. The panels must be installed on the interior side of the wall in accordance with Section 4.2 of attached ES report. The Alpolic® AP and AT wall panels have a Class A interior finish classification.
8. Structural silicone sealant used between the composite panels and aluminum stiffeners and rails must be approved by a current Los Angeles Research Report (LARR).
9. The Alpolic® AP and AT wall panels shall be fabricated in the shop of a licensed fabricator approved by the Los Angeles City Building Department.
10. The panels are to be identified by a label noting the company name and address, the product name, thickness, flame spread index and the Los Angeles Research Report Number (LARR #26029).

## **DISCUSSION**

This report is in compliance with the 2017 City of Los Angeles Building Code.

The approval is based on data submitted in accordance with the ICC-ES Acceptance Criteria for Metal Composite Material (AC25), dated October 2010 (Editorially revised November 2015).

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revision to the report must be submitted to this Department for review with appropriate fee to continue the approval of the revised report.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

Mitsubishi Plastics Composites America, Inc.

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This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

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Attachments: ICC-ES Evaluation Report No. ESR-3704 (4 Pages).