

# TECH BULLETIN

## Control #1010 (Rev 01)

**TITLE:** ACM Applications

**EFFECTIVE:** June 15, 2023

The purpose of this Technical Bulletin is to provide information regarding the use of MCM (i.e., ACM) with respect to the requirements and restrictions of the *2018 International Building Code (IBC)*.

Due to a plastic core within MCM per *Chapter 2 Definitions*, ACM is not capable of meeting the performance requirements of *Section 703.5 Noncombustibility tests* and cannot be considered noncombustible. Therefore, ACM is subject to the requirements of *Section 1405 Combustible Materials on the Exterior Side of Exterior Walls* and, more specifically, *Section 1406 Metal Composite Materials (MCM)*. Some ACM may be advertised with an “FR” (i.e., “fire retardant”) product title, description, and/or additive, but without testing to support conformance with *Section 703.5*, ACM remains combustible.

Used as an exterior wall covering in an assembly per *Chapter 2 Definitions*, ACM shall be applied per *Section 1405.1 Combustible Exterior Wall Coverings* to an exterior wall, which separates exterior space from the interior space of a building (see Figure 1).

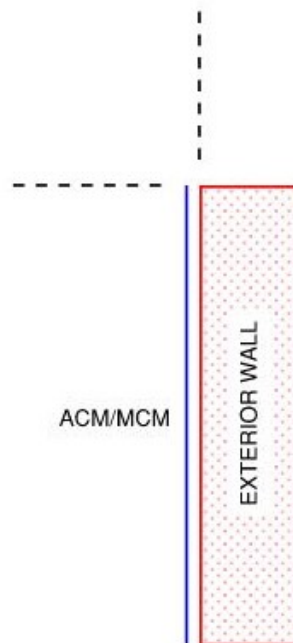


Figure 1 – *1405.1.2 Location*. Combustible exterior wall coverings located along the top of exterior walls shall be completely backed up by the exterior wall and shall not extend over or above the top of the exterior wall (indicated by dashed lines).

Go beyond the panel... and go to the next level!

As typically represented on design drawings, ACM is permitted for “bands”, “projections”, “eyebrows”, etc. per *Section 1406.3 Architectural trim and embellishments* (see Figures 2 and 3).

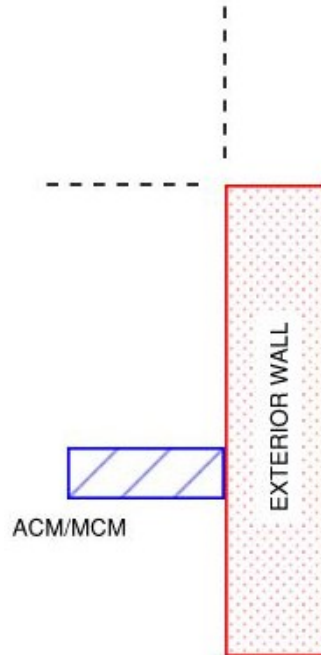


Figure 2 – *1406.3 Architectural trim and embellishments*. MCM used as architectural trim or embellishments shall comply with Sections 1406.7 through 1406.14.

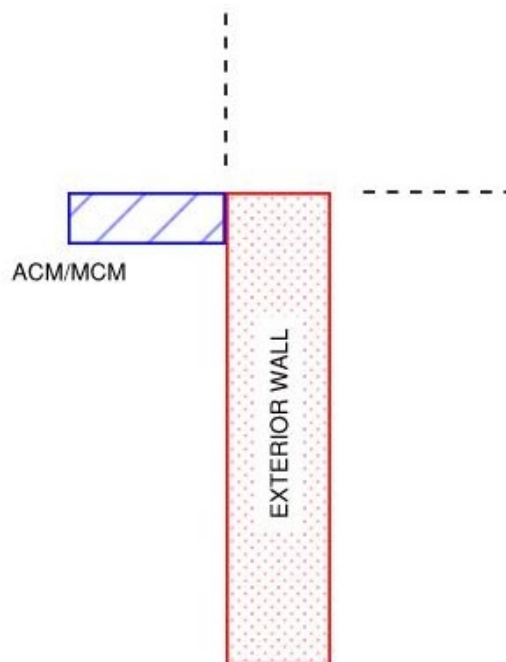


Figure 3 – MCM used as architectural trim or embellishments per 1406.3 but remains restricted by 1405.1.2 and "shall not extend over or above the top of the exterior wall."

*Note: In such applications, ACM does not serve as an “exterior wall covering”; may be located topside horizontal of architectural trim and embellishments; and must include internal substrate/framing.*

ACM is also used on attached and freestanding canopies, which exhibit conditions and construction similar to both exterior walls and architectural trim and embellishments. However, a canopy does not separate exterior space from interior space; therefore, it does not include exterior walls and is not subject to the restrictions of *Section 1405.1.2*.

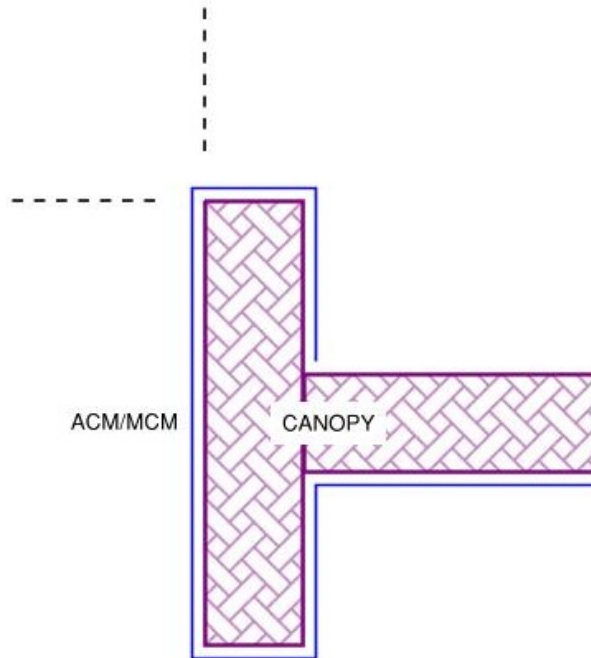


Figure 4 – ACM may be applied to vertical and horizontal surfaces except as roof coverings subject to *Section 1507 Requirements for Roof Coverage*.

*Note: Select warranty coverage (e.g., Panel Material and Product Warranty and/or Panel Finish Warranty) may not be supported based on project-specific canopy conditions. Contact LAM Sales/Customer Service for more information.*