



1.6. MCM/ACP Cladding

1.6.1. Cladding

Cladding, other than thermal barrier and Sandwich Panels is a non-structural covering installed over structural surfaces. It is usually in Metal Composite Materials (MCM) but it is also available in a variety of building materials and made to tolerate extreme weather conditions.

1.6.2. MCM (Metal Composite Material, including ACP, Aluminium Composite Panels)

A factory manufactured panel consisting of metal skins bonded to both faces of a "core" (See 1.6.3. for Core definition). All MCM's shall be tested and approved at the maximum thickness intended for use and intended assemblies. However, MCM's including ACP's shall have a minimum exterior skin thickness of 0.019 in. (0.5 mm), a minimum interior skin thickness of 0.010 in (0.25 mm), and a maximum panel thickness of ¼ in. (6.3 mm) where installed on exterior walls.

1.6.3. MCM and ACP Core

Core used in factory manufactured MCM can be of plastic or mineral or any such material other than foam plastic insulation, having flame and smoke spread characteristics.

1.6.4. Thermal Barrier (Thermal Insulation)

A material, product, or assembly that prevents or delays ignition of an unexposed surface by limiting the temperature rise and by acting as a flame exposure barrier.

1.6.5. Fire Barrier

A continuous membrane or a membrane with discontinuities created by protected openings with a specified fire protection rating, where such membrane is designed and constructed with a specified fire resistance rating to limit the spread of fire. Fire barriers are to be continuous from floor to underside of the floor above or fire rated ceiling and from the inside face of exterior to another exterior wall or other fire barrier with equal or greater fire rating.

1.6.6. Bearing Wall System

A structural system with bearing walls providing support for all or major portions of the vertical loads. Shear walls or braced frames provide seismic force resistance