



ALUCOBOND®

**The World's Favorite
Aluminum Composite Material**

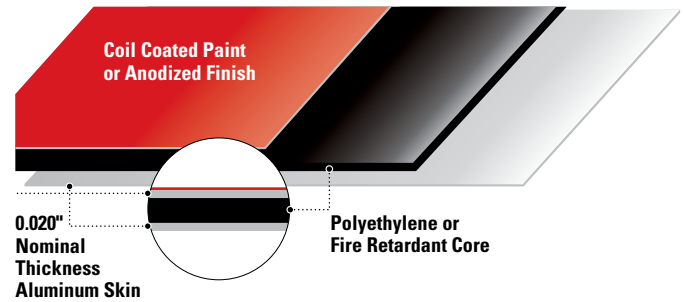
Technical Guide

**McCARRAN
INTERNATIONAL
AIRPORT**
Las Vegas, NV

ALUCOBOND®

Global Brand Leader

Alucobond® is the original ACM (aluminum composite material) and is the preferred architectural cladding for façade and corporate identity applications. Alucobond® Material is available in a wide range of options and dimensions that can be tailored to your specific project. With its hallmark superior flatness, Alucobond® offers an extensive selection of standard and custom finishes that span the color spectrum.



Physical Properties

Material Composition

- › Aluminum facings in 0.020" nominal thickness (interior and exterior to ensure flatness)
- › Polyethylene core available in 3mm, 4mm and 6mm thicknesses (PE)
- › Proprietary fire-resistant core available in 4mm thickness only (Plus)

Panel Widths

- › Standard widths 50" and 62" (coil coated)
- › Standard widths 50" and 62" (anodized)
- › Custom width 40"

Panel Lengths

- › Standard lengths 122", 146" and 196"
- › Custom lengths up to a maximum of 360"

Minimum Bending Radius

- › The minimum bending radius of Alucobond® and Alucobond® Plus without routing the interior skin is 15 times the thickness of the material.

Available Finishes

- › PVDF, FEVE
- › Polyester
- › Modified Polyester
- › Anodized
- › Monochromatics, Micas and Metallics
- › Natural



RIVERVIEW II
Chicago, IL



U.S. Xpress
Chattanooga, TN

UNIVERSITY OF
CALIFORNIA
Riverside, CA



GEORGIA AQUARIUM
Atlanta, GA



Technical Data	Alucobond			Alucobond Plus
	3mm	4mm	6mm	4mm Plus
Thickness	3mm	4mm	6mm	4mm Plus
Nominal Weight (lbs/sq.ft)	0.92	1.12	1.59	1.52
Coefficient of Expansion $\times 10^{-5}$ (in./in.°F)	1.31	1.18	1.24	1.11
Temperature Resistance	-55° to 175° F (-50° to 80° C)			
Minimum Peel Strength	115 N mm/mm			

Tests and Building Codes

Guided by the most comprehensive technical support team in the industry, Alucobond® maintains constant and rigorous code compliance. From conceptual vision to finished project, the Alucobond® sales and service professionals will guide you through the process.

North American Building Code Acceptance

Alucobond® and Alucobond® Plus are accepted by the following code regulatory bodies:

- › IBC
- › City of New York
- › City of Los Angeles
- › Miami-Dade County Florida
- › National Building Code of Canada (1998)
- › State of Florida

Material Code Tests

Alucobond® has successfully passed the following tests:

- › ASTM E 84 – Surface burning characteristics
- › ASTM D1929 – Ignition properties
- › ASTM D1781 – Peel strength
- › NFPA 285 – Intermediate scale multi-story (Alucobond® Plus only)

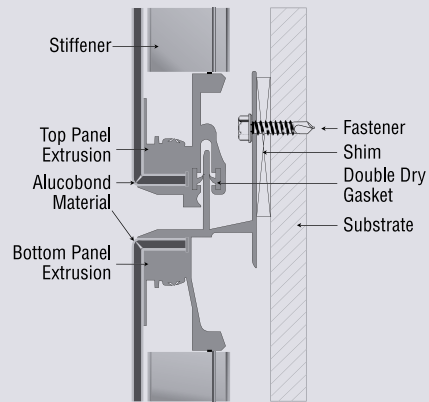
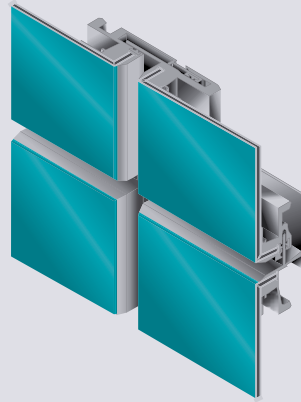


Mamaroneck High School
Mamaroneck, NY

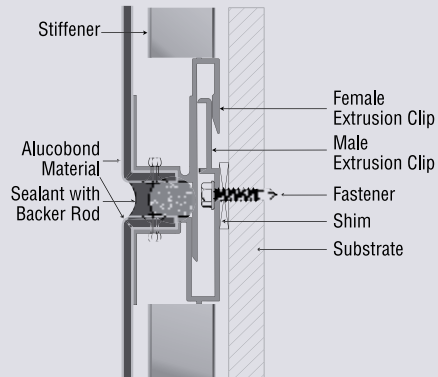
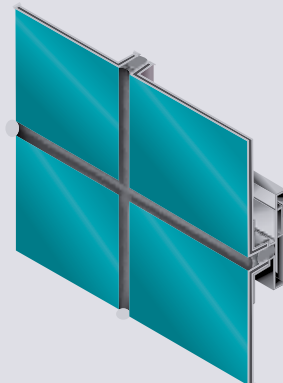
Attachment Methods

3A Composites proudly partners with the most trusted, proven fabricators and installers in the metal wall panel industry. These experts will transform Alucobond® Material into the cladding system best suited for your design and application. The systems illustrated here are representative of typical attachment methods.

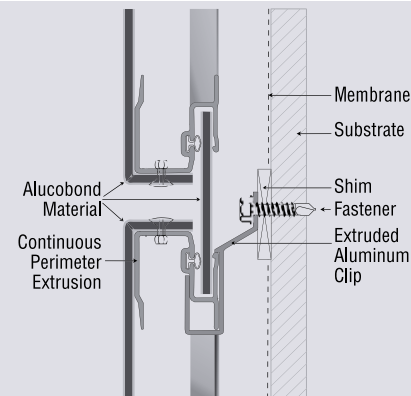
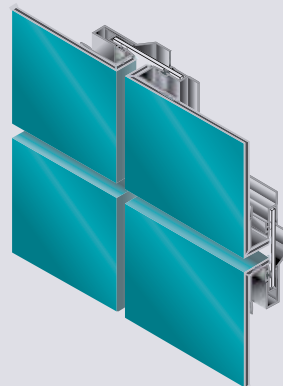
Rout & Return Dry Seal



Rout & Return Wet Seal



Rain Screen



There are three ways to contact a sales representative or get more information including samples, literature and binders:

- 1 Call 800.626.3365**
- 2 Complete the "Contact Us" link at www.AlucobondUSA.com**
- 3 Email info.usa@3AComposites.com**