ALUCOBOND®

The World's Favorite Aluminum Composite Material

Technical Guide

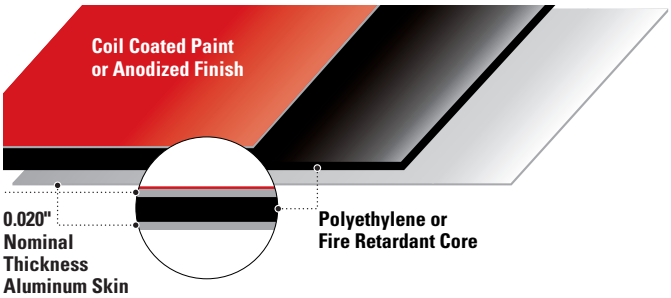
McCARRAN INTERNATIONAL AIRPORT
Las Vegas, NV

ALUCOBOND®

Global brand leader

Alucobond® is the original ACM (aluminum composite material) and is the preferred architectural cladding for façade and corporate identify 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.

RIVERVIEW II
Chicago, IL



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, & Metallics
› Natural

U.S. Xpress
Chattanooga, TN

GEORGIA AQUARIUM
Atlanta, GA

UNIVERSITY OF CALIFORNIA
Riverside, CA

Technical Data	Alucobond			Alucobond Plus
Thickness	3mm	4mm	6mm	4mm Plus
Nominal Weight (lbs/sq.ft)	0.92	1.12	1.59	1.52
Coefficient of Expansion x10^{-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)

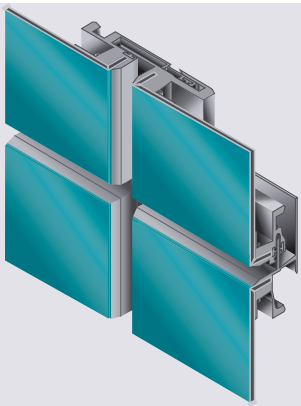
Mamaroneck High School
Mamaroneck, NY

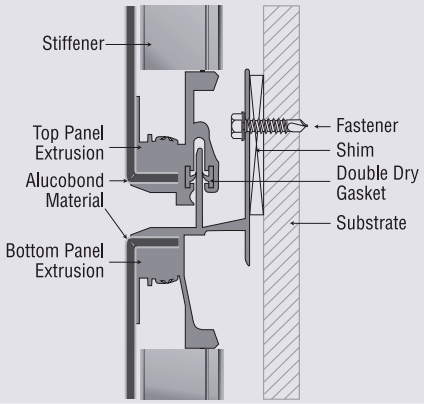
ALUCOBOND®

Attachment Methods

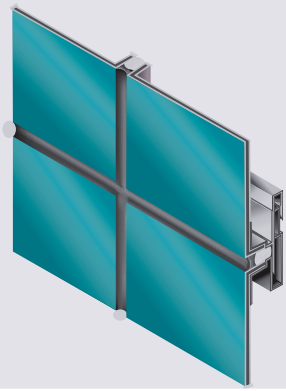
Alcan Composites proudly partners with the most trusted, proven fabricators and installers in the metal wall panel industry. These experts will transform Alucobond® Material into the cladding system best suited for your design and application. The systems illustrated here are representative of typical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

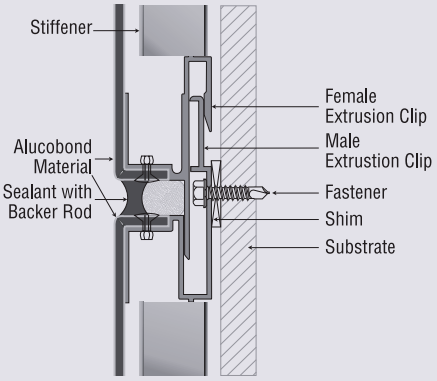
Rout & Return Dry Seal



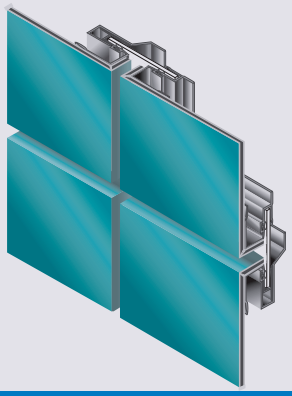


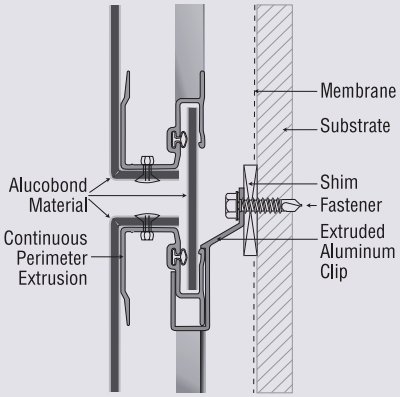
Rout & Return Wet Seal





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.alucobond.com***
3. ***Email info.usa@alcan.com***

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1.800.626.3365
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