

 MITSUBISHI CHEMICAL COMPOSITES AMERICA, INC.

**ALPOLIC®**  
METAL COMPOSITE MATERIALS

Your Design | **Perfected**

CORPORATE BROCHURE

WE UNDERSTAND

**EXCEPTIONAL**



WE UNDERSTAND

# REAL

**Consider the potential of your architectural vision. The technical quality of its execution. The practical details that make it a success.**

*What's your vision?*

*You can make it real with ALPOLIC® aluminum and metal composite materials. To reveal your project's full potential, choose ACM and MCM in an inspiring variety of finishes and colors. To ensure its technical excellence, count on superior flatness, stability, fabrication ease and long-term finish performance. To make it practical, get product samples and custom color matching, on-time delivery, technical resources and the industry's most responsive service and support – for the life of your project.*

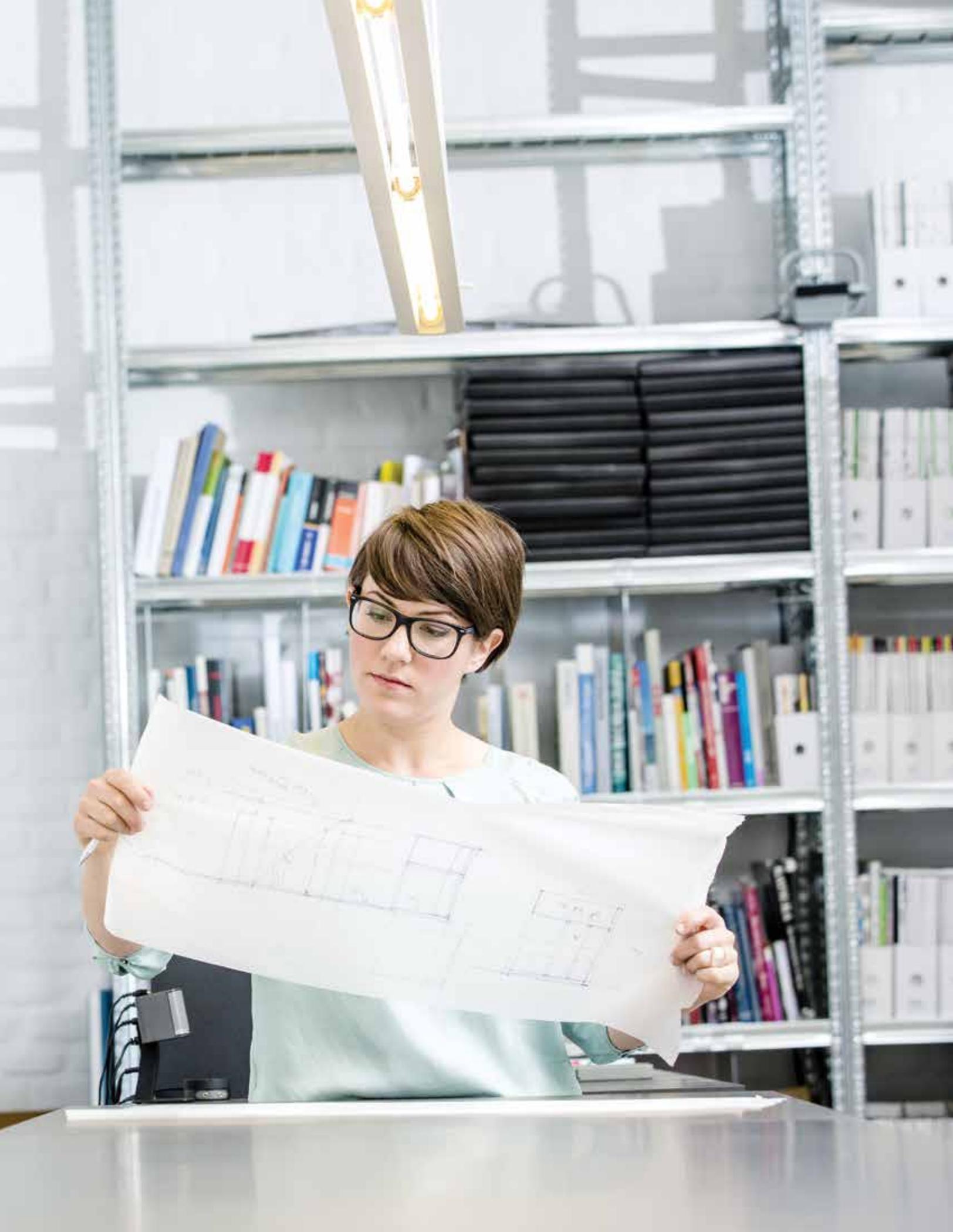
*Your project's potential. Your technical requirements. Your practical needs. We understand your ideal. Let's make it real. Let's build.*

Trump International Hotel and Tower, Chicago, Illinois  
ALPOLIC®/fr in 4HL Stainless Natural Metal Finish



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Torres de las Americas, Panama City, Panama  
ALPOLIC®/fr in SMX Silver Metallic Finish

# INNOVATIONAL

## **HUE. TONE. GLOSS. THE PERFECT COLOR BRINGS YOUR VISION TO LIGHT.**

Choose ALPOLIC® ACM in the industry's broadest palette of finishes – from the classic to the spectacular.

### **Lumiflon® FEVE**

Our Lumiflon® FEVE fluoropolymer resin delivers a stunning selection of the most brilliant colors available for architectural panels, with a gloss range that's double the industry standard. Our Lumiflon® FEVE fluoropolymer resin delivers a stunning selection of the most brilliant colors available for architectural panels, with a gloss range that's double the industry standard. Compared to other architectural finishes, its unique chemical structure makes Lumiflon® FEVE tougher, longer-lasting and more resistant to impacts and abrasions.

So the look you envision endures, practically maintenance-free, with minimal fading, discoloration or chalking. Because there's no need to repaint or replace for many decades, Lumiflon® FEVE is a highly sustainable choice – and it's backed by an unsurpassed warranty of up to 30 years. We're proud to have introduced this next-generation fluoropolymer resin to the ACM industry in North America.

### **Kynar® PVDF**

For richly subdued colors without the gloss of Lumiflon® FEVE, we also offer Kynar® PVDF. Our Matte Series finishes reveal the possibilities of Kynar®, with elegantly understated colors inspired by the natural world. We also stock many other tasteful colors in this proven architectural finish, known for its exceptional color and gloss retention, chalking resistance and durability.

### **Endless Choice**

Choose from an extensive selection of stock finishes, precise corporate ID colors, and a limitless range of custom finishes perfectly matched to your specification or color sample. Our advanced die-coating process brings your vision to flawless reality today. And we're constantly developing new colors and finish treatments to keep you inspired for all the projects you envision tomorrow.



# TRADITIONAL + UNCONVENTIONAL

**MAKE AN UNFORGETTABLE STATEMENT. WHETHER YOU WANT TO EVOKE AN ELEGANT PAST OR A SPECTACULAR FUTURE, OUR INNOVATIVE FINISHES AND SURFACE TREATMENTS LET YOU EXPRESS YOUR CONCEPT YOUR WAY.**

**SOLID COLORS.** From stately to stunning in a selection of colors and glosses both stock and custom that are unmatched.

**MICAS.** Clean, sleek colors that catch the light with a brilliant iridescence.

**METALLICS.** Painted finishes with the look of bright silver, warm pewter, rich copper, classic bronze and more.

**PRISMATICS.** Three-dimensional depth in lively colors and hues that morph depending on your visual angle or time of day.

**TIMBER SERIES.** The natural look of mahogany, walnut, maple and custom timber patterns without the expense and maintenance.

**MATTE SERIES.** Warm, absorbing hues that evoke the clouds above to the earth below inspired by nature herself.

**PATTERNS SERIES.** Patina copper, bronze, concrete, leather, carbon fiber and aluminum with brushed, sand and hairline finishes with all the advantages of custom aluminum composite material.

**STONE SERIES.** The imposing presence and intriguing grain patterns of granite, marble, slate, travertine and more in an affordable, lightweight panel.

**DECORATIVE METALS.** Natural aluminum polished to a reflective shine or brushed to a warm sheen, protected by a clear top coat.

**MULTI-COLORS.** Precisely applied stripes of contrasting colors, ideal for petroleum, corporate ID programs and eye-catching accents.

**NATURAL METALS.** The opulence of real copper, zinc, stainless steel or titanium with all the advantages of a metal composite material.

**ANODIZED ALUMINUM.** An incredibly tough, impervious surface that can be left clear or customized to shades of bronze, champagne or black.

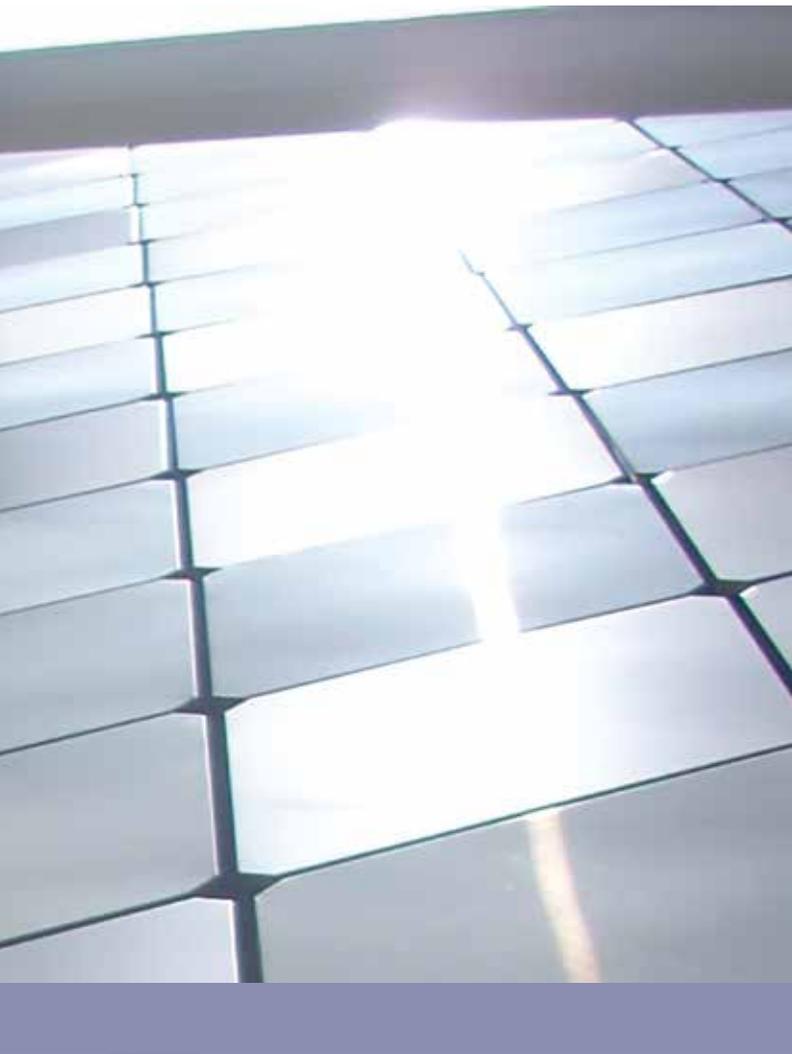


Clockwise from top left: Delphi Automotive Systems HQ, Troy, Michigan, ALPOLIC®/fr in Delphi Red & Bright Silver Custom Finishes; Mercator Shopping Center, Maribor, Slovenia, ALPOLIC®/fr in Custom Red Finish; Bank of America, Tukwila, Washington, ALPOLIC®/PE in RVW White & BBR Red Solid Finishes; Barbara Loar Library, Tucker, Georgia, ALPOLIC®/PE in BBR Red & SMX Silver Metallic Finishes

Annette Strauss Square, Dallas, Texas  
ALPOLIC®/PE & fr in AZZ Zinc Natural Metal, BSX Silver Metallic,  
AGT Aluminum Grey Solid & CNC Charcoal Solid Finishes



# FUNCTIONAL



**DON'T SETTLE. GET THE RIGHT MATERIAL FOR THE JOB. CHOOSE FROM THE MOST COMPLETE SELECTION OF ARCHITECTURAL CLADDING, CORPORATE BRANDING AND SIGNAGE MATERIALS AVAILABLE – AND COUNT ON ASSURED CONSISTENCY, EASY FABRICATION AND RELIABLE PERFORMANCE BACKED BY THE INDUSTRY'S STRONGEST PANEL WARRANTY.**

**AL**

**ALPOLIC®/PE.** Aluminum skins bonded to our classic polyethylene core, offering the rigidity of heavy-gauge sheet metal in a lightweight panel that can be fabricated with ordinary woodworking tools.

**ALPOLIC®/fr.** The same quality and selection as ALPOLIC®/PE, but with a fire-retardant, mineral-filled thermoplastic core that meets most fire codes worldwide.

**ALPOLIC®/RF.** A highly reflective aluminum composite material that's perfect for aircraft, elevators, gyms and other applications where a heavy, breakable reflector might be a liability.

**ALPOLIC®/HD.** Heavy-duty panels with 0.032" aluminum skins for maximum rigidity and strength, available in the same 4mm and 6mm overall thicknesses as our standard panels.

**ALPOLIC® Brake Metal.** 0.032" aluminum finished to match our ACM panels, offering the ability to form roof caps, flashing, fascia trim, accents and other complex forms using a sheet metal brake.

**GRAPHIC • AL™.** Lightweight panels with thinner aluminum skins designed for signage, displays, fascia and canopies – suitable for use with graphic films, screen printing and UV cure inks.

**Corporate ID Program.** Precisely matched colors, including multi-color panels, for creating instantly recognizable architecture and signage in food service, entertainment, banking, automotive, hospitality, retail and other industries.

# EXCEPTIONAL

Remarkably light, strong, rigid and flat. Easy to curve, bend, rout, drill, saw, shear, punch, trim and mold to the shape you need, using conventional tools. Dimensionally stable, resistant to vibration and impervious to oil-canning. Exceptionally durable and easy to maintain.

ALPOLIC® materials outperform heavy-gauge sheet metal and other types of architectural panels in virtually every way. And they create new possibilities for architectural cladding, corporate ID systems, signage and many other applications, interior and exterior. From corner gas stations to city skylines, you'll find ALPOLIC® ACM and MCM bringing a new perspective to projects around the world.

*Your vision may not have even been possible in decades past. Today, you can make it real. Decades from now, its enduring quality will continue to inspire. With ALPOLIC® materials, the future is yours to build.*





# ENVIRONMENTAL

**WHEN YOU SPECIFY ALPOLIC® PANELS, YOU'RE CHOOSING MORE THAN A SUPERIOR ARCHITECTURAL MATERIAL. YOU'RE CHOOSING HEALTHIER COMMUNITIES AND A MORE SUSTAINABLE FUTURE.**

ALPOLIC® ACM provides the same rigidity as solid aluminum panels while using only one-fourth to one-third as much aluminum. The same principle holds true for MCM panels using copper, zinc, stainless steel or titanium skins. And we incorporate up to 50 percent recycled materials in the manufacture of our panels, while actively working to minimize energy consumption and capture production waste for reuse or recycling.

We're also leading the industry toward new disclosure standards with our Product Transparency Declarations (PTDs) listing all product components and their potential impacts. So you can verify that the materials specify meet the strictest health and safety standards, including California Proposition 65. And we provide guidance on choosing materials with high recycled content and "cool" solar reflectance index values that can help your building earn credits toward LEED certification.

As a member of the Green Building Council, and with a full-time Sustainability Manager on staff, we're constantly looking for ways to help build a better world. We invite you to join us.

Operation Encore makes it easy for you to recycle ALPOLIC® materials when buildings are renovated and re-clad. ALPOLIC® materials are virtually 100 percent recyclable, and through Operation Encore we'll accept used materials, separate them, and place the components in the appropriate industry recycling streams.



# HISTORICAL

Light, rigid ALPOLIC® MCM panels have inspired new aesthetics and enabled new design possibilities over more than forty years of proven use.

First introduced in Japan in the early 1970s, ALPOLIC® materials are now also manufactured in Germany and came to the United States in the early 1980s. Our state-of-the-art facility in Chesapeake, Virginia began production in 1991 and continues to set the North American standard for innovation and quality.





ALPOLIC® ACM & MCM products are produced at our production factory in Chesapeake, Virginia

As we continue to pioneer innovative products and finishes – while providing global manufacturing, distribution and support – ALPOLIC® materials are changing the face of contemporary architecture around the world.

History always points toward the future. Let's make history together.

# EFFECTUAL

Let us know how we can help you make your design idea a reality. Get more information, order finish samples and find a fabricator by calling 1-800-422-7270 or visiting [alpolic-americas.com](http://alpolic-americas.com).



The LINQ, Las Vegas, Nevada  
ALPOLIC® /fr in SMX Silver Metallic, MCU Mica Champagne & OPT  
Mica Platinum