



corporate identity



innovation • style • performance



ALPOLIC® & ALPOLIC®/fr





MATERIALS

 MITSUBISHI PLASTICS COMPOSITES AMERICA, INC.
www.alpolic-northamerica.com



food service

Casual dining and fast food franchise structures have to be built quickly and easily while capturing a look that's distinctive and inviting. With its beautiful, customizable finishes and unsurpassed versatility, ALPOLIC® enables designers in this competitive field to pull it off with style. Because ALPOLIC® provides exact corporate colors, better consistency, easier installation and a longer life, the industry's appetite for this remarkable material keeps growing.

- Pearlescent DQO Orange
- Metallic CBZ Blue
- Prismatic MRT Red
- CFB Blue



DAIRY QUEEN GRILL & CHILL®
OHIO, U.S.



entertainment

If a place promises fun and entertainment, it has to have a look to match. ALPOLIC® offers a vast palette of bright colors, gloss options and finishes to create architectural magic while keeping costs grounded in reality. It has been used to great effect for cladding, fascia, canopies, entryways, signage, column covers and more. Durable, versatile, and as eye-catching as you want it to be, ALPOLIC® is perfect for the kind of wide-open design that makes an entertainment venue shine.

- Metallic LPX Copper

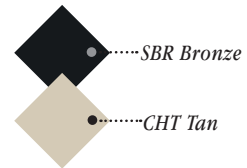


REGAL CINEMAS
WASHINGTON, U.S.



banking

The importance of corporate identity in the banking industry is on display at busy intersections everywhere as competing branches, from small community banks to giant megabanks, fight for attention. With ALPOLIC®, bank identity designers have a material that's rock-solid in quality and durability, and versatile and expressive in capturing a distinct look and establishing a brand. Flexible and easy to fabricate, it's perfect for an industry where a merger or acquisition can make a corporate identity facelift necessary at a moment's notice.



HORIZON BANK
WASHINGTON, U.S.



dealerships

From a design standpoint, automotive dealerships have to be a visual extension of the vehicles on the lot and in the showroom – colorful, sleek, attractive, eye-catching. That's why ALPOLIC®, with its wide array of beautiful finishes and surfaces, has become a leading cladding material for dealership corporate identity specialists. And with so much riding on long-term performance, these designers value the backing of Mitsubishi Plastics as much as the product's unmatched versatility, style and beauty.

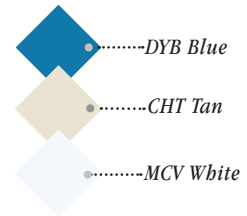


NISSAN DEALERSHIP
VIRGINIA, U.S.



petroleum stations

With competition at just about every corner and every exit, establishing an image that gets the attention of passing drivers is challenging enough. Finding a material that offers flexibility for easy installation and durability for long-term performance is even tougher. ALPOLIC® meets and exceeds those requirements. No wonder it has become the fabricating material of choice for filling station corporate identity designers around the world.



CHEVRON PETROLEUM STATION
WASHINGTON, U.S.



hospitality

From economy hotel chains to the world's most luxurious resorts, the hospitality industry has become very comfortable with ALPOLIC® as an essential building material. Nothing else so perfectly accommodates the need to combine sophisticated design with rigid budgetary realities—all while meeting or exceeding fire and safety codes that vary from place to place. In this industry, ALPOLIC® is here to stay.

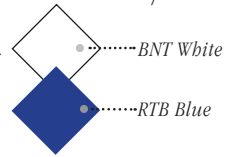


FUTURE INNS CARDIFF BAY
CARDIFF, UK

chain retail



Retail chains ask a lot of their builders and architects. Stores must be attractive, eye-catching, durable and functional. And don't forget economical and highly flexible. Rapidly changing market conditions dictate when and where new locations must spring up – sometimes around the globe – with tight deadlines and even tighter budgets. ALPOLIC® helps these professionals deliver a great product under the most demanding conditions. The retail chain industry knows a good value when they see it – and they're sold on ALPOLIC®.

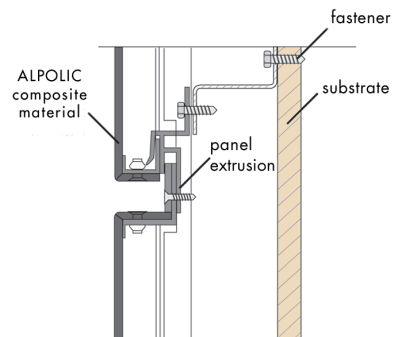
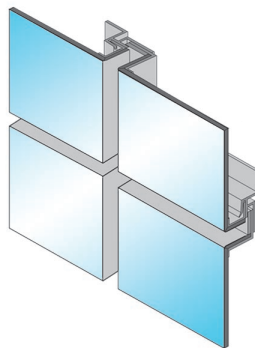


ROOMS TO GO KIDS
TEXAS, U.S.

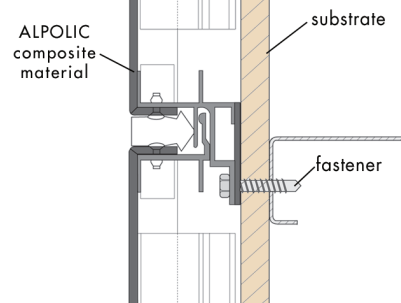
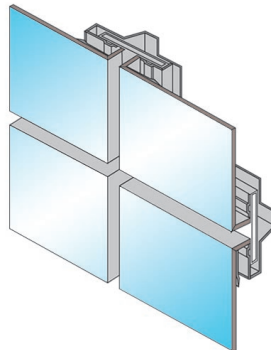
Examples of attachment systems

ALPOLIC® ALUMINUM AND METAL COMPOSITE MATERIALS HAVE A TRACK RECORD SECOND TO NONE WHEN IT COMES TO THE ARCHITECT/FABRICATOR RELATIONSHIP. THE PRODUCT OF THEIR TEAMWORK HAS PRODUCED COUNTLESS EXAMPLES OF CUTTING EDGE ARCHITECTURE THAT OFFERS SOLUTIONS TO ACCOMMODATE INNOVATIVE "OUTSIDE OF THE BOX" DESIGN APPLICATIONS. HERE ARE A FEW EXAMPLES OF THE CLADDING SYSTEMS AND THEIR ATTACHMENT METHODS REPRESENTED BY THE ILLUSTRATIONS BELOW.

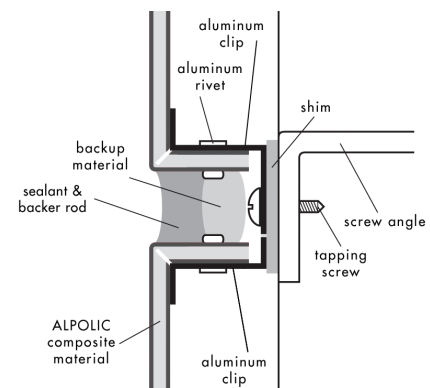
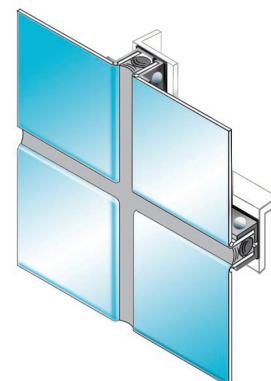
RAIN SCREEN



ROUT & RETURN DRY GASKET SEAL



ROUT AND RETURN WET SEAL STAGGERED CLIP



What are the advantages of using ALPOLIC® in your design project?

PRODUCT PROPERTIES—ALPOLIC® is an aluminum composite material (ACM) that is produced by bonding two thin sheets of aluminum on either side of an extruded thermoplastic core. The aluminum (other metals available) surfaces have been pre-finished and coil-coated in a variety of paint finishes before bonding. ALPOLIC® offers the rigidity of heavy-gauge sheet metal in a lightweight aluminum-faced composite material. It also features such attributes as superior flatness, vibration dampening, durability and ease of maintenance.

EASE OF FABRICATION—ALPOLIC® requires no special tools for fabrication, ordinary woodworking and metal working tools are all that are needed. Fabrication techniques such as cutting, grooving, punching, drilling, bending, rolling, and many other specialized techniques are easily accomplished.

PAINT SYSTEMS

- ALPOLIC® offers you both polyester and Lumiflon™ (FEVE) based fluoropolymer finishes.
- Lumiflon™ (FEVE) is a high performance, second generation fluoropolymer.
- Its finish offers bright, vibrant colors, multiple gloss levels and other distinct advantages over Kynar® (PVDF)-based finishes.
- Its finish includes superior abrasion characteristics and field painting attributes. (Consult Customer Service)
- Multiple color coil-coat panels available.

MANUFACTURING FLEXIBILITY—ALPOLIC® comes in a variety of thicknesses:

2mm,
3mm,
4mm,
6mm

Standard widths include:.....40", 50", and 62"
Semi-standard widths:.....Consult Customer Service
Custom widths:.....to 62"

RANGE OF PRODUCTS—ALPOLIC® offers you a variety of distinct, durable and diverse product lines:

- ALPOLIC® in a myriad of coil-coated finishes
- ALPOLIC® A-LOOK and HPA reflective surfaces, offering you a reflective surface with the unique qualities of ACM flexibility
- ALPOLIC® STONE SERIES®, which duplicates the look and feel of polished granite and marble with the added advantages of ACM
- Aluminum, Copper
- Anodized

SURFACE TREATMENTS – Standard ALPOLIC® is available in the following finishes: a fluoropolymer (FEVE) finish tested to meet the performance criteria of AAMA 2605, with a wide color and gloss range, polyester and class 1 anodized.

RANGE OF SIZES

Width: 32.5"—62" (826mm—1575mm)

Length: 6'—24'+ (1829mm—7315mm)

PRODUCT TOLERANCE

Width:.....± 0.08" (2mm)

Length:.....± 0.16" (4mm)

Thickness: 3mm:.....± 0.008" (0.2mm)

4mm:.....± 0.008" (0.2mm)

6mm:.....± 0.012" (0.3mm)

Bow maximum:.....0.5% of length and/or width

Squareness maximum:.....0.2" (5mm)

ALPOLIC® is supplied trimmed and squared with cut edges. There is neither displacement of the aluminum sheet nor protrusion of the core.

FIRE PERFORMANCE – Standard ALPOLIC® with polyethylene core has been tested by independent testing laboratories using the following nationally recognized fire tests.

ASTM E84

Flame spread 3mm:.....05

4mm:.....00

6mm:.....00

Smoke developed

3mm:.....15

4mm:.....00

6mm:.....10

ASTM E108 modified

4mm:.....Passed

6mm:.....Passed

ASTM D1929

Flash:.....716°F

Ignition:.....752°F

ASTM D635

4mm:.....Classified CC1

ASTM E162

Flame spread index

6mm:.....11

UL-94

3mm:.....V-O rating

CODE EVALUATION REPORTS:

1. City of Los Angeles—Research Report No. 24932
2. ICC ES NER-657
3. Miami Dade Notice of Acceptance NOA06-0531.12
NOA06-0531.13
4. Florida Building Code Approval 3278.1
5. UL Approval E143937



REGENT MOTOR CAR SHOWROOM, SINGAPORE

corporate identity



CHEVRON PETROLEUM STATION, WASHINGTON, U.S.



LUKOIL PETROLEUM STATION, BULGARIA



ACURA DEALERSHIP, VIRGINIA, U.S.

For additional information, samples or a list of ALPOLIC® fabricators, please call 1-800-422-7270 or visit www.alpolic-northamerica.com

ALPOLIC® & ALPOLIC®/fr

MATERIALS

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Composite Materials Division

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