Finishes & Colors

First: Your Vision
Then: Your Finishing Touch

Fluoropolymer standard/custom
Enamel standard/custom
Pearlescent Metallic
Clear & Color Anodize
Fluoropolymer Coatings

Fluoropolymer (PVDF) coatings incorporating Kynar 500® and Hylar 5000® resins are premium quality architectural coatings recommended for use on monumental construction projects around the world. These fluoropolymer coatings demonstrate optimum durability, color retention, and color uniformity. In addition to the standard colors represented in this publication, custom colors are easily formulated. Kynar 500® is a registered trademark of Atofina Chemicals, Inc. Hylar 5000® is a registered trademark of Solvay Solexis, Inc.

Recommended Specification:
Louvers, grilles and sun controls shall be FINISHED-AFTER-ASSEMBLY with an inhibitive primer and oven-cured Kynar 500® / Hylar 5000® resin coating that complies with the performance requirements of AAMA 2605, “Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels”.

Thermosetting Acrylic Enamel Coatings

High performance thermosetting acrylic enamel coatings are available in high gloss colors and offer exceptional hardness and scratch resistance for applications exposed to impact and abrasion. These coatings meet or exceed the performance requirements of AAMA 2603, “Voluntary Specification Performance Requirements and Test Procedures for Pigmented Organic Coatings”.

Recommended Specification:
Louvers, grilles and sun controls shall be FINISHED-AFTER-ASSEMBLY with an oven-cured thermosetting acrylic enamel coating that complies with the performance requirements of AAMA 2603, “Voluntary Specification Performance Requirements and Test Procedures for Pigmented Organic Coatings”.

*Colors available at slight additional cost due to exotic pigmentation.
Pearlescent Metallic Coatings

Formulated to reproduce the low-gloss, metallic luster of anodized aluminum in a wider range of dynamic pearlescent colors, these 50% fluoropolymer coatings offer many performance advantages over conventional anodic coatings, including:

- Superior resistance to salt spray
- No discoloration from mortar
- Uniform colors
- Field repair and touch-up
- Faster lead-times
- Durability and color at nominal cost

Pearlescent metallic fluoropolymer coatings incorporate 50% Kynar 5000® / Hylar 5000® resins and the same durable ceramic pigments utilized in other fluoropolymer coatings formulations to produce a low-gloss, deep satin luster that is harder and more scratch resistant than 70% fluoropolymer coatings. This additional hardness reduces the potential for damage in transportation and on the jobite. After installation, the added resistance to scratching and abrasion from daily use, routine maintenance and weathering means extended life for the coating and reduced maintenance cost. Pearlescent metallic fluoropolymer coatings are an excellent selection for applications in store-fronts, schools, hospitals, shopping malls and wherever products are exposed to abrasion and regular abuse.

Recommended Specification:

Lowers, grilles and sun controls shall be FINISHED-AFTER-ASSEMBLY with an inhibitive primer and oven-cured pearlescent metallic fluoropolymer coating produced from Kynar 5000® / Hylar 5000® resins. The coating shall comply with the performance requirements of AAMA 2604*, “Voluntary Specification, Performance Requirements and Test Procedures for Superior Performance Organic Coatings on Aluminum Extrusions and Panels”.

Extended Warranties

Five-year limited warranties are available for most fluoropolymer and pearlescent metallic fluoropolymer coatings. Coating manufacturers offer 20-year limited warranties for spray fluoropolymer coatings applied to aluminum substrates and roller-coat formulations applied to steel products. No manufacturer offers an extended warranty for spray formulated fluoropolymer coatings applied to steel products. Contact your nearest Airosite sales office for additional information on extended warranties.

* AAMA 2604 is a new specification with more stringent performance requirements for chalking, fading, gloss retention, salt spray and abrasion resistance vs AAMA 665.

* AAMA 2603 supersedes AAMA 603.

* AAMA 2604 supersedes AAMA 605.

The colors on this card are as close as actual as reproduction technology allows. Coating samples on metal are available upon request.
FINISH-AFTER-ASSEMBLY & Recommended Specifications

Airolite Architectural Louvers, Grilles and Sun Controls incorporate two distinctive features that ensure the highest product quality and durability available: The ALL-WELDED ADVANTAGE and FINISH-AFTER-ASSEMBLY.

The ALL-WELDED ADVANTAGE Airolite’s state-of-the-art Pulsed Gas Metal Arc Welding (GMAW/MIG) process produces ALL-WELDED blade and frame connections to withstand the dynamic vibration imparted by long-term exposure to intermittent windloading. More importantly, ALL-WELDED connections eliminate the potential for stress corrosion and failure due to electrolysis between dissimilar metals such as aluminum and stainless steel materials used in assemblies constructed with threaded fasteners.

FINISH-AFTER-ASSEMBLY Finish coatings are applied to Airolite Architectural Louvers, Grilles and Sun Controls only after each product is weld-assembled. Louvers, Grilles and Sun Controls constructed with mechanical fasteners are often produced from prefinished components that are sheared, sawed-to-length or fabricated after coating, leaving raw and unfinished edges and surfaces that invite the onset of adhesion failure and corrosion. FINISH-AFTER-ASSEMBLY assures that all exposed edges and surfaces receive the maximum protection of pretreatment and finish coatings.

CUSTOM COLOR MATCHING Fast, economical and extremely accurate custom color matching is available in fluoropolymer and baked enamel coatings formulated with Airolite’s HunterLab® digital color measurement and matching technology. Contact your nearest Airolite sales office for additional information on custom color formulations.

CLEAR ANODIZE Clear anodize finishes are transparent, and extremely hard oxide coatings that resist abrasion, weathering and chemical attack. Alcoa designation 204R1 (AA-M10C22A31) is a one-half hour Architectural Class II anodic coating of 0.4 mil thickness suitable to resist normal weathering. Alcoa designation 215R1 (AA-M10C22A41) is a one-hour 0.7 mil coating thickness that resists severely corrosive environments. Contact your nearest Airolite sales office for a full range of anodic finish and color samples.

Recommended Specification: Louvers, grilles and sun controls shall be FINISHED-AFTER-ASSEMBLY with a 215R1 clear anodize finish conforming to the Aluminum Association Designation, Architectural Class I, AA-M10C22A44. Coating thickness shall be a minimum of 0.7 mil when tested in accordance with ASTM-B-244. The coating shall meet or exceed all requirements of AAMA Specification 611-98, “Voluntary Specification for Anodized Architectural Aluminum.”

CHAMPAGNE, BRONZE and BLACK COLOR ANODIZE Electrolytic color anodizing produces anodic coatings with exceptional hardness, lightfastness, corrosion resistance and color uniformity. A full range of colors, including champagne, bronze and black, are produced in Aluminum Association, Architectural Class I, AA-M10C22A44, color anodize coatings of 0.7 mil thickness. Contact your nearest Airolite sales office for a full range of anodic finish and color samples.

Recommended Specification: Louvers, grilles and sun controls shall be FINISHED-AFTER-ASSEMBLY with a dark bronze finish conforming to the Aluminum Association Designation, Architectural Class I, AA-M10C22A44. Coating thickness shall be a minimum of 0.7 mil when tested in accordance with ASTM-B-244. The coating shall meet or exceed all requirements of AAMA Specification 611-98, “Voluntary Specification for Anodized Architectural Aluminum.”

OTHER COATINGS & FINISHES The finishes represented in this publication are widely utilized coatings employed on most monumental architectural and commercial applications around the world. In addition, Airolite routinely applies other specialized coatings suitable for specific chemical environments or to complement adjacent metal roofing, panel, window or curtain wall systems. Contact your nearest Airolite sales office for additional information on additional coatings available from Airolite.