

Finishes & Colors

First: Your Vision
Then: Your Finishing Touch

Fluoropolymer standard/custom
Enamel standard/custom
Pearlescent Mica
Clear & Color Anodize



AIROLITE[®]
The look that works.[™]

Architectural and High-Performance Louvers, Grilles, Screens, Sun Controls



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 Arkema Inc. Hylar 5000® is a registered trademark of Solvay Solexis, Inc.



Recommended Specification:

Louvers, grilles and sun controls shall be FINISHED-AFTER-ASSEMBLY when welded construction is selected with an inhibitive primer and oven-cured Kynar 500® / Hylar 5000® resin coating that complies with the performance requirements of AAMA 2605¹, "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 2603², "Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels."



Recommended Specification:

Louvers, grilles and sun controls shall be FINISHED-AFTER-ASSEMBLY when welded construction is selected with an oven-cured thermosetting acrylic enamel coating that complies with the performance requirements of AAMA 2603², "Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels."



Aegean Blue AL204



Palatial Blue AL205



Cherokee Blue AL206



Patina AL207



Hartford Green AL208



Brick Red AL209



Boysenberry AL210



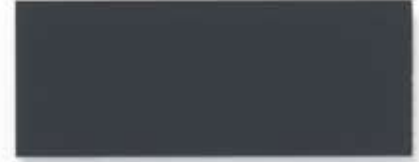
Regal Red AL211



Black AL212



Dove Gray AL213



Charcoal AL214



Rawhide AL 215



Oxford Beige AL216



Terra Cotta AL217



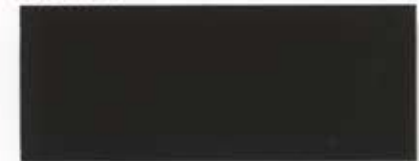
Lindie Bronze AL218



Majestic Bronze AL219



Doric Bronze AL220



Statuary Bronze AL221



Bone White AL201



Dover White AL202



Smoke Gray AL203

Pearlescent Mica Fluoropolymer Coatings



Bright Silver AL222



Warm Silver AL223



Gold AL224



Copper AL225



Coral Reef AL226



Chianti AL227



Silver Blue AL228



Arctic Blue AL229



Mediterranean Mist AL230



Tropical Jade AL231



Bright Green AL232



Sea Spray AL233



Hartford Mist AL234



Aztec AL235



Asti AL236



Medium Bronze AL237



Dark Bronze AL238



Gun Barrel AL239



Pearlescent Mica Coatings

Formulated to reproduce the low-gloss, metallic luster of anodized aluminum in a wider range of dynamic pearlescent colors, these 70% fluoropolymer coatings offer many performance advantages over conventional anodic coatings, including:

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

Pearlescent metallic fluoropolymer coatings incorporate 70% Kynar 500® / Hylar 5000® resins and a blend of mica and durable ceramic pigments to achieve subtle yet dazzling metallic colors. The unique richness of these colors exceeds the capabilities of conventional two-coat fluoropolymer systems and is more resistant to chemical attack than anodized finishes. The precise laboratory formulation of these radiant colors ensures exacting control and color uniformity throughout each application. Mica flakes, rather than aluminum, are used to achieve a metallic luster and eliminate the need for a clear fluoropolymer topcoat. Ceramic pigments yield harder and more durable coatings than conventional two-coat systems and are ideal for applications at grade or wherever exposed to abrasion. Yet, if damage occurs, it can be easily repaired with minimal visual disparity between the factory and field applied coatings.

Recommended Specification:



Louvers, grilles and sun controls shall be FINISHED-AFTER-ASSEMBLY when welded construction is selected with an inhibitive primer and oven-cured pearlescent mica fluoropolymer coating produced from Kynar 500® / Hylar 5000® resins. The coating shall comply with the performance requirements of AAMA 2605¹, "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 coatings applied to aluminum substrates; and, roller-coat formulations when applied to galvanized steel products. However, no manufacturer offers an extended warranty for spray formulated fluoropolymer coatings applied to steel products. Contact your nearest Airlite sales office for additional information on extended warranties.

¹ AAMA 2605 is the American Architectural Manufacturers Association standard that defines test procedures and performance requirements for high performance organic coatings applied to architectural aluminum. See www.aamanet.org

² AAMA 2603 is the American Architectural Manufacturers Association standard that defines test procedures and performance requirements for high performance organic coatings applied to architectural aluminum. See www.aamanet.org

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 when welded assembly is selected 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 Minolta 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 when welded assembly is selected with a 215R1 clear anodize finish conforming to the Aluminum Association Designation, Architectural Class I, AA-M10C22A41. 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 when welded assembly is selected 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.



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