

More than meets the eye.



Ultra Aluminum Powercoat™ Finish Meets AAMA 2604-5 Standards for Powder-Coated Aluminum Extrusions

Ultra is already known for producing only the highest quality powder-coated ornamental aluminum fencing, railing and gates. Now our PowerCoat™ finish has received accreditation for AAMA-2604-5 standards. This new certification ensures that the finish performs significantly better in adhesion, salt spray and humidity resistance, color/gloss retention, and overall weatherability. Our powder coating protects aluminum components that are manufactured & sourced in the USA.



ULTRA
FENCING • RAILING

**Special order Fleur-de-lis finial shown.*

American Architectural Manufacturers Association Standards

	Test Parameter	AAMA 2603 (competition)	AAMA 2604 (Ultra Aluminum)
Pretreatment Requirements	Metal Preparation and Pretreatment	Multi-Stage Cleaning and Pretreatment	Multi-Stage Cleaning and Pretreatment
	Pretreatment Type	Chemical Conversion Coating	Chrome or Non-Chrome Chemical Conversion Coating
	Pretreatment Coating Weight	None Specified	Chrome @ 30mg/ft ² Minimum; Non-Chrome per Supplier's Specs
Paint Film Requirements	Dry Film Thickness	0.8 mils min.	1.2 mils (for Multi-coat, 1.0 mil Topcoat min & 0.3+/-0.1 mil Primer)
	Sealant Compatibility	Meets AAMA 800	Meets AAMA 800
	Specular Gloss	+/-5 Units of Specification (high = 80+, medium = 20-79, low 19-)	+/-5 Units of Specification (high = 80+, medium = 20-79, low 19-)
	Dry Film Hardness	H Minimum	F Minimum
Adhesion Requirements	Dry Adhesion	0% Failure (No Loss)	0% Failure (No Loss)
	Wet Adhesion	0% Failure (No Loss)	0% Failure (No Loss)
	Boiling Water Adhesion	None Specified	0% Failure (No Loss)
	Impact Resistance	No Removal of Film from Substrate	No Removal of Film from Substrate
	Abrasion Resistance	None Specified	Abrasion Coefficient Value = 20 Min
Chemical Resistance Requirements	Muriatic Acid Resistance	15 Minute Exposure: No Blistering or Visual Change for AAMA 2603, 2604, 2605	
	Mortar Resistance	24 Hour Exposure: No Loss of Film Adhesion or Visual Change for AAMA 2603, 2604, 2605	
	Nitric Acid Resistance	None Specified	30 Minute Exposure: 5 Delta E (Hunter) Maximum Color Change
	Detergent Resistance	72 Hour Exposure: No Loss of Film Adhesion, No Blistering or No Significant Visual Change for AAMA 2603, 2604, 2605	
	Window Cleaner Resistance	None Specified	24 Hour Exposure: Nor Blistering or Visual Change
Corrosion Resistance Requirements	Humidity Resistance	1500 Hours: No More than "Few" Blisters Size 8, Figure #4 (ASTM D 714)	3000 Hours: No More than "Few" Blisters Size 8, Figure #4 (ASTM D 714)
	Salt Spray Resistance	1500 Hours of Salt Solution: Minimum Rating of 7 on Scribe or Cut Edges; Minimum Blister Rating of 8 in the Field (ASTM D 1654)	3000 Hours of Salt Solution: Minimum Rating of 7 on Scribe or Cut Edges; Minimum Blister Rating of 8 in the Field (ASTM D 1654)
Weathering Resistance Requirements	Accelerated Exposure	1000 Hours in Atlas Type "XW" Weatherometer: No Adhesion Loss; Slight Chalking or Color Change	None Specified
	Outdoor Exposure	1 Year South Florida: No Adhesion Loss; Slight Chalking or Fading	5 Years South Florida: 5 Delta E (Hunter) Maximum Color Change; Chalking ≤ 8 (ASTM D 4214); Gloss Retention ≥ 30% Erosion Resistance < 10% Film Loss

