

# Elite Fence Products presents

The advantages of  
AAMA 2604

# POWDER COATING



PROUDLY MADE IN AMERICA  
EXTRUDED & ASSEMBLED





*Elite Fence Products was established in 1986 and is family owned and operated. Elite manufactures aluminum fencing and gate products utilizing only the highest quality materials available. The management and sales staff is comprised of individuals that are highly experienced in all aspects of the fence installation and manufacturing industry.*

*Elite's entire product line features a powder coated finish that is applied in their manufacturing facility in Harrison Twp., Michigan. This powder coated finish is classified as "Super Durable" by the powder coating industry and is available in seven standard colors. Its application is environmentally friendly and certified to meet and exceed Industry Standard AAMA 2604-05. Custom colors can be created to match your outdoor décor or architecture.*

Who is the

## AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION?

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AAMA is comprised of a variety of companies, including window, door, and skylight manufacturers, component and supply manufacturers, service and consulting companies. They are companies of all sizes. AAMA has become recognized around the world for the development of standards that provide third-party validation of product performance and quality. AAMA standards are developed in response to the needs of our member companies to solve critical issues in the industry.

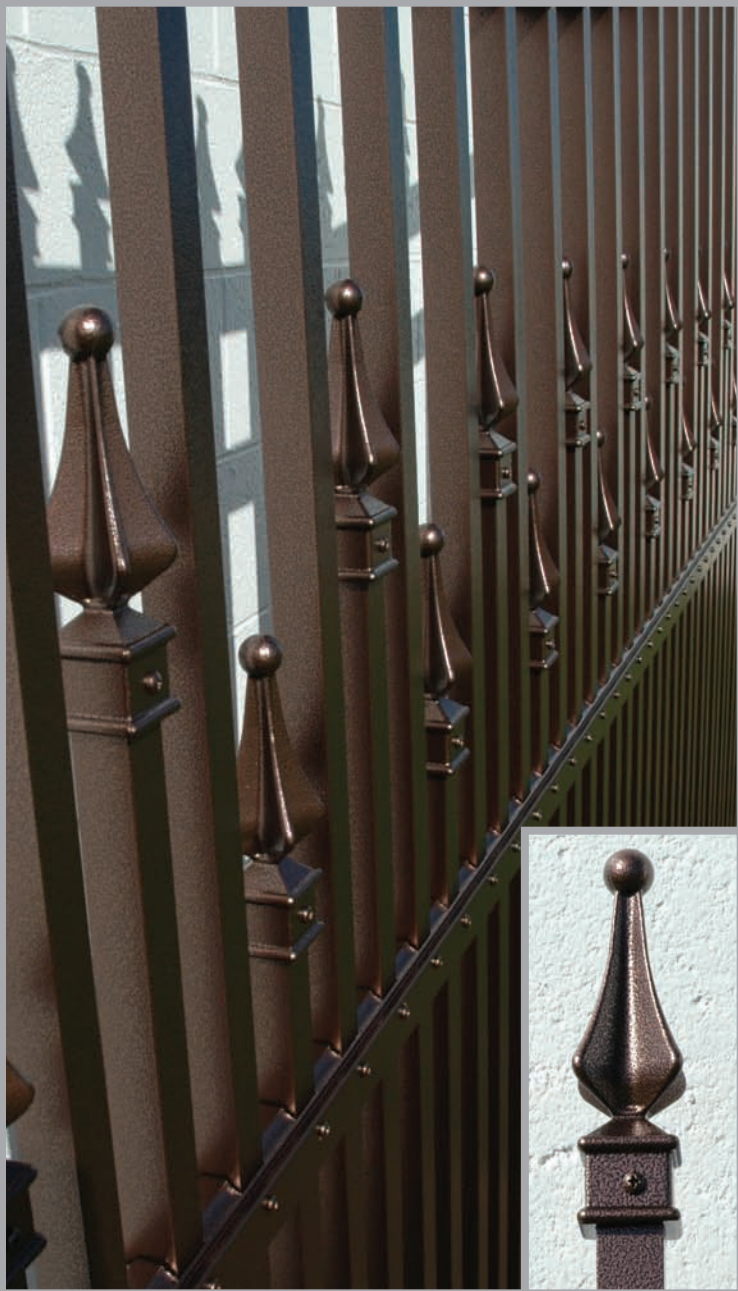
## LABORATORY NOTES

The attributes of color and gloss are utilized to determine how well a coating will withstand harsh environmental conditions. The primary factor in maintaining a coatings color and gloss is the chemistry of the binder used within the coating formulation. The ability of a coating to withstand harsh environmental conditions is tested by exposing coatings to the heat and humidity conditions of South Florida. Powder coatings formulated with standard polyesters will lose 50% of their gloss between 12 and 24 months of south Florida weathering. Products formulated with standard durable polyester binders can pass the AAMA 2603 specification. Powder coatings manufactured from polyesters synthesized with isophthalic acid as the sole acid, inherently yield extended exterior durability over standard polyesters. Comparatively, while powder coatings formulated with super durable polyesters require approximately five years of exposure before 50% gloss drop is observed. When properly formulated, ultra violet stabilized super durable powder coatings can pass AAMA 2604 specification. Powder coatings manufactured from fluorocarbon polymer resins exhibit the greatest exterior durability. These fluorocarbon polymers are inherently resistant to moisture, weathering, ozone and ultra violet light radiation. Powder coatings manufactured from fluorocarbon polymer resins exceed the requirements of AAMA 2605.



# American Architectural Manufacturers Association Standards

Test Parameter		AAMA 2603 (Competition)	AAMA 2604 (Elite Fence Products)
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 @ 30 mg/ft² Minimum; Non-Chrome Per Supplier's Specs.
Paint Film Requirements	Dry Film Thickness	0.8 Mills Min.	1.2 Mills (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: No 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



*Manufactured by:*

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**POWDER  
COATED  
TOUGH®**