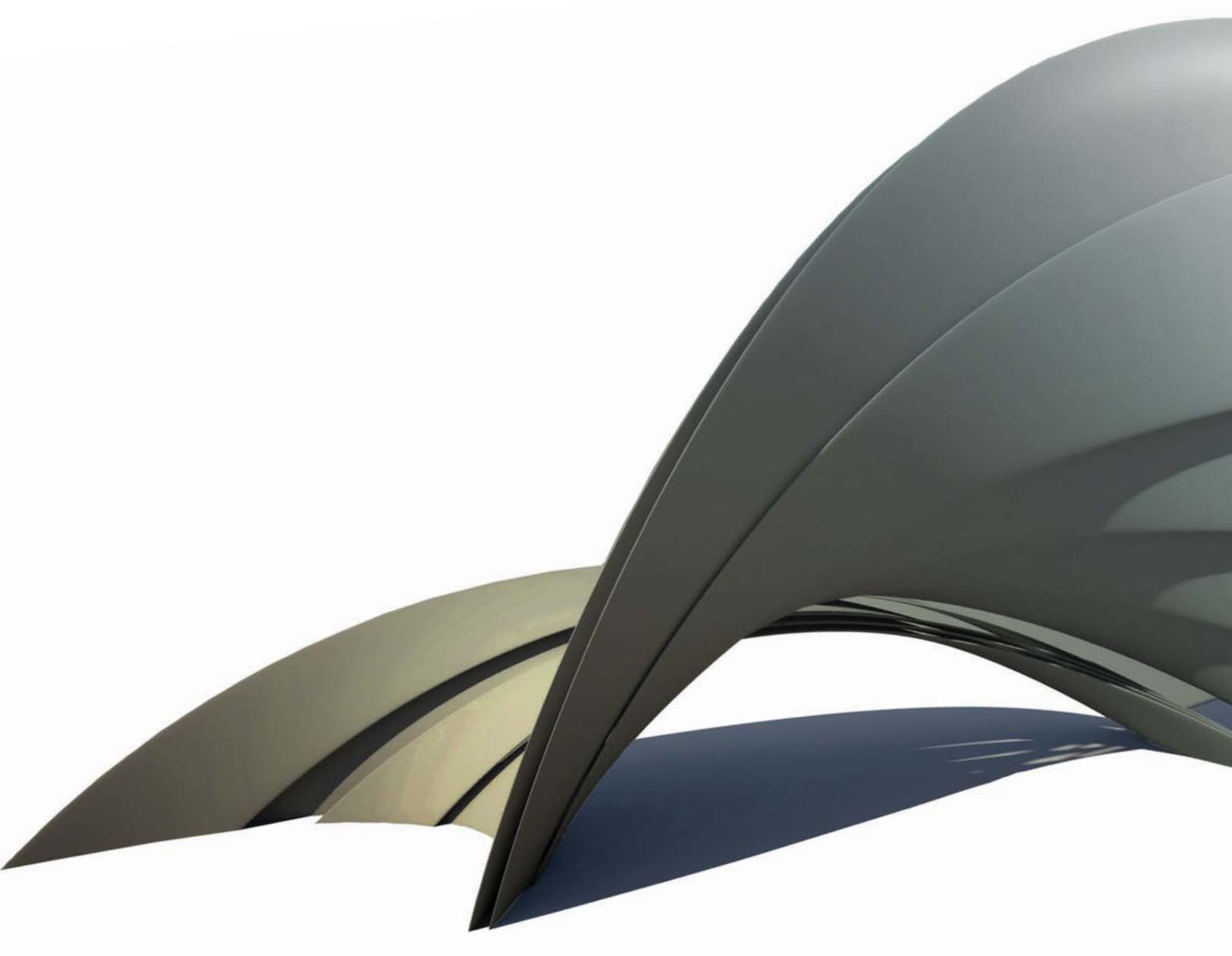




Alesta® AR

The Architect's Edition

AR300/AR 400/AR 500



The Architect's Edition

AR300/AR 400/AR 500

Alesta® AR powder coatings keep you at the forefront of architectural color trends by providing a high level of design freedom and making it easy to match glass, plastic, wood, or virtually any building material. Colors and textures are easily adjusted to suit individual aesthetic preferences without compromising essential functional properties, such as weatherability or impact and abrasion resistance.

Axalta finds new ways to create coatings for commercial buildings that operate more efficiently, reduce energy consumption, and help provide safer, healthier environments for the people who work or live in them.

Alesta AR powder coatings meet the rigorous requirements of AAMA 2603, AAMA 2604, and AAMA 2605.

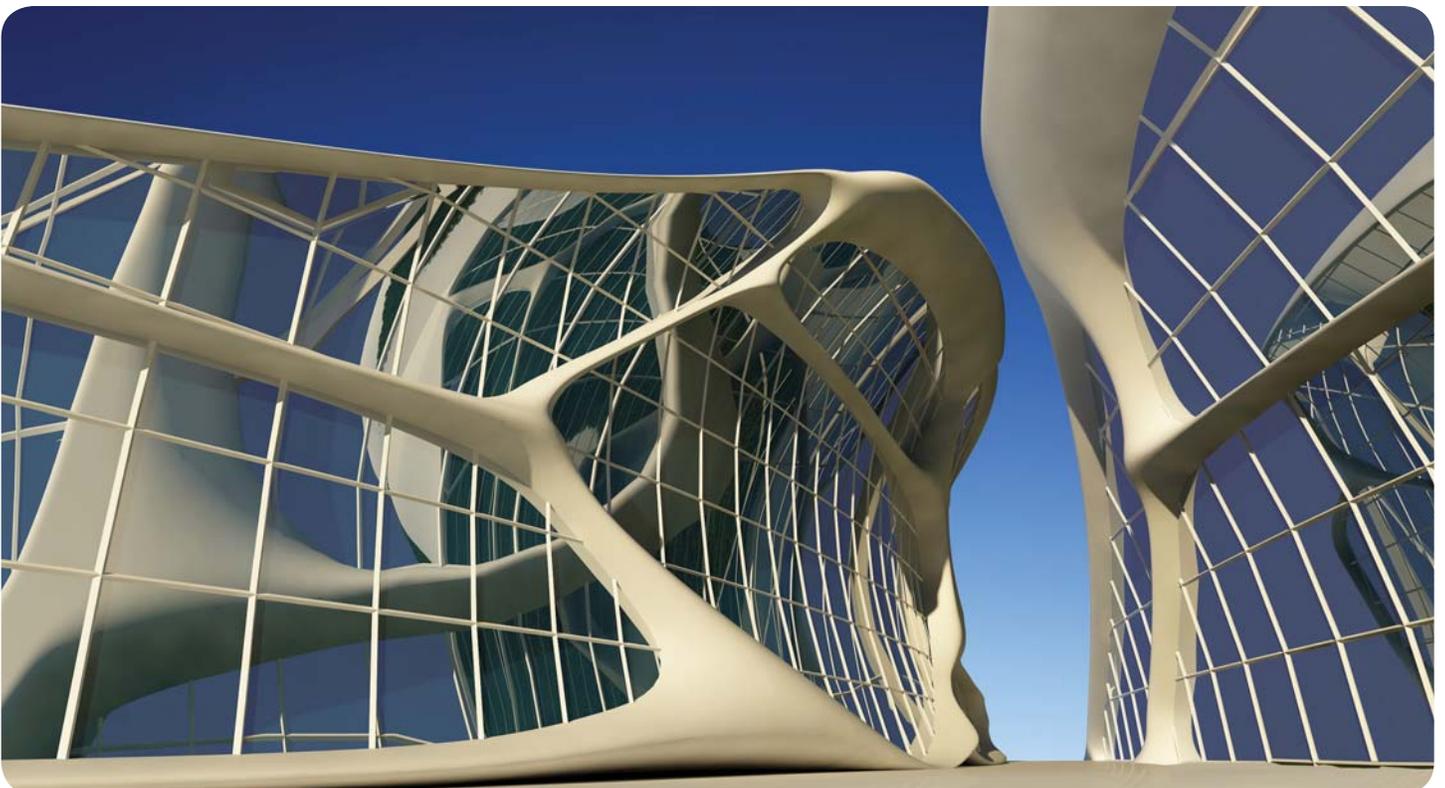
>> Our coatings meet your needs for environmental acceptability while delivering exemplary corrosion resistance and durability.

Alesta AR300 series powder coatings are polyesters featuring high quality exterior grade pigments. They exhibit superior outdoor weathering properties that exceed American Architectural Manufacturers Association (AAMA) 2603 requirements. Alesta AR300 is a TGIC-free, polyester that meets AAMA 2603 and LEED Green Building specifications, and is backed by a 1-year warranty*.

Alesta AR400 series powder coatings are premium weathering polyesters featuring high quality exterior grade pigments. They exhibit superior outdoor weathering properties that exceed AAMA 2604 requirements. Alesta AR400 is a TGIC-free, premium weathering polyester that meets AAMA 2604 and LEED Green Building specifications, and is backed by 5 and 10 year warranties*.

Alesta AR500 series powder coatings deliver ultra weathering performance that exceeds AAMA 2605 requirements. This thermosetting fluoropolymer technology provides the highest level of color and gloss retention available. Compared to conventional liquid systems, Alesta AR500 offers many advantages including superior mechanical properties. Alesta AR500 is an ultra-premium fluoropolymer that meets AAMA 2605 and LEED Green Building specifications, and is backed by 5 and 10 year warranties*.

* Warranty-Color and Gloss Retention/Film Integrity



NA Architectural Colors

AR 300/AR 400/AR 500

Alesta Powder Coatings deliver superior coverage and transfer efficiency so you can get more done in less time. But higher yields are just the beginning. Available in a variety of technologies for a broad range of applications, Alesta Powder Coatings are easy to use and backed by the technical support of Axalta specialists.



BONE WHITE MATTE
HFW605S4 (AR400)
FFW605S3 (AR500)



***RICH BLACK MATTE**
PFB706S4 (AR400)
FFB602S2 (AR500)



BROWN BRONZE MATTE
HFJ602S4 (AR400)
FFJ604S4 (AR500)



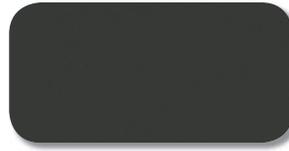
INTERSTATE GREEN MATTE
HFG600S4 (AR400)
FFG601S3 (AR500)



ARCADIA SILVER
CFA600B1 (AR400)



COLONIAL BLUE MATTE
HFK600S4 (AR400)
FFK602S4 (AR500)



CHARCOAL GRAY MATTE
HFH606S4 (AR400)
FFH601S3 (AR500)



IVORY MATTE
HFL600S4 (AR400)
FFL600S3 (AR500)



BRICK RED MATTE
HFR603S3 (AR400)
FFR601S3 (AR500)



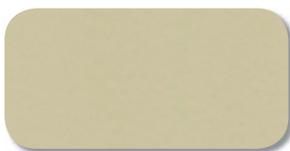
LIGHT SEAWOLF MATTE
HFT602S3 (AR400)
FFT600S3 (AR500)



METALLIC BRONZE MATTE
HFJ603M4 (AR400)
FFJ605M4 (AR500)



ENDURING BRONZE MATTE
HFJ601S4 (AR400)
FFJ603S3 (AR500)



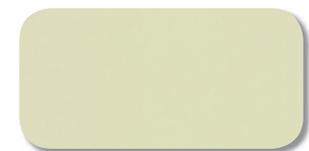
SANDSTONE MATTE
HFT601S4 (AR400)
FFL601S4 (AR500)



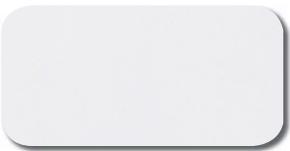
LIGHT BRONZE
HFJ628B4 (AR400)



STARDUST SILVER
HFA603B5 (AR400)



FLORIDA IVORY
HFL602S8 (AR300)



FLORIDA WHITE
HFW615S8 (AR300)



FLA BRONZE
HFJ616S5 (AR300)



BAP WHITE
HFW611S7 (AR300)



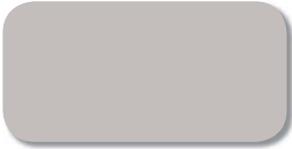
BAP BRONZE
HFJ611M5 (AR300)

Gloss Ranges: Matte 30-45 Standard Semi Gloss 50-60 Custom Gloss 75+ Custom Fine Texture

Anodic Collection Colors

AR 300/AR 400

The Anodic collection offers the effect of standard anodized finishes in a range of colors closely simulating the more popular anodic shades. This range has all the benefits associated with powder coatings, and is available in our Alesta AR quality. This collection enables fast and cost effective delivery in the anodic effect of your choice and meets AAMA standards.



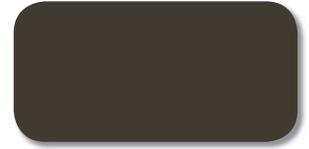
ANODIC NATURA
HFH2101B2 (AR300)
CFA601B1 (AR400)



ANODIC BRONZE
HFJ2101B2 (AR300)



ANODIC CHAMPAGNE
HFT2100B2 (AR300)



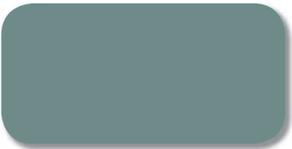
ANODIC BROWN
HFJ2100B2 (AR300)



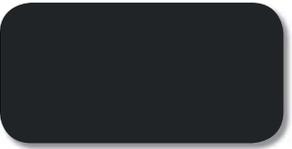
ANODIC GOLD
AE201110008 (AR300)



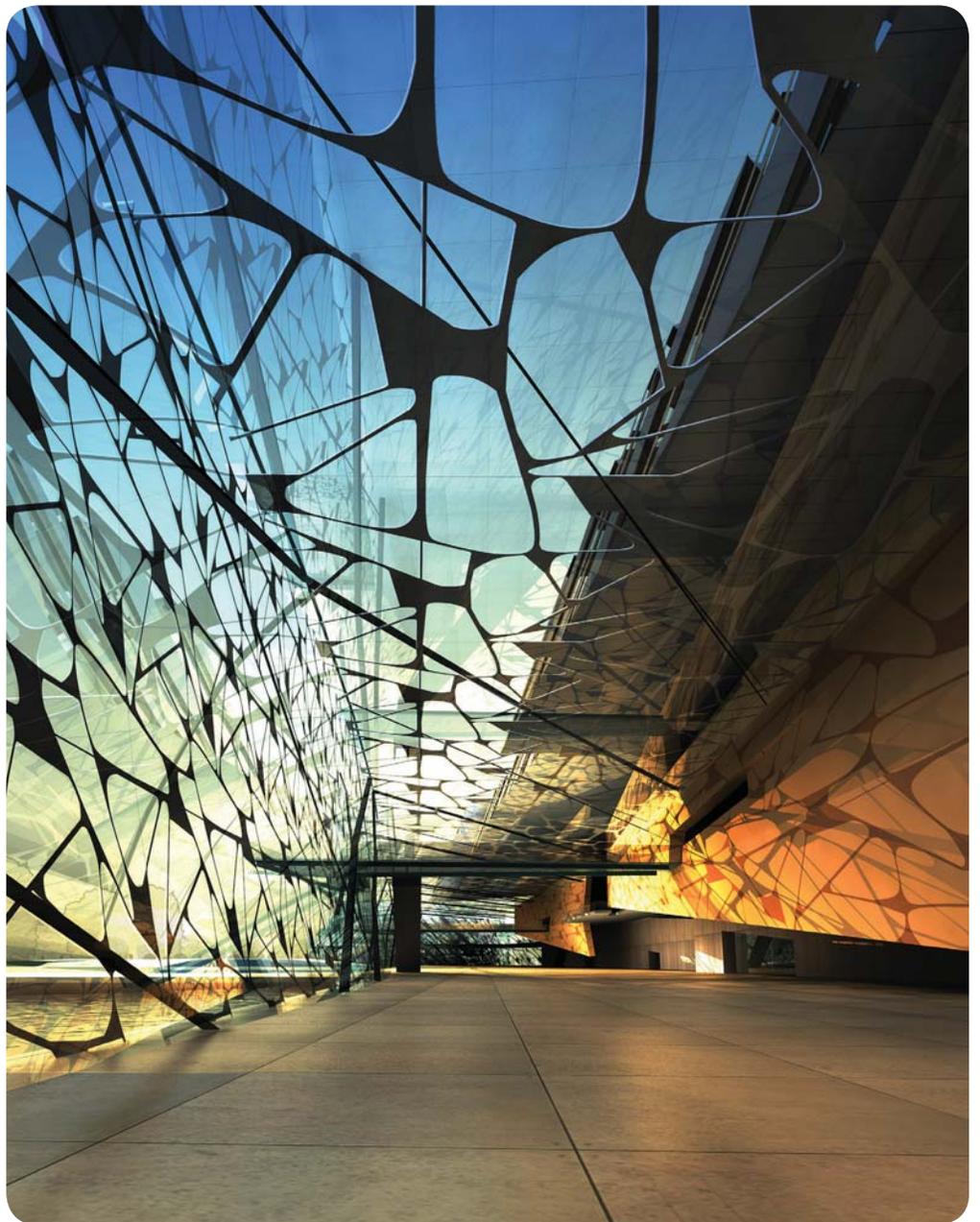
ANODIC SAPPHIRE
HFK2100B1 (AR300)



ANODIC MALACHITE
HFG2100B2 (AR300)



ANODIC BLACK
HFB2100B2 (AR300)



Features

- » Provides a high level of design freedom and makes it easy to match glass, plastic, wood or virtually any building material. Colors and textures are easily adjusted to suit individual aesthetic preferences without compromising essential functional properties such as weatherability or impact and abrasion resistance.
- » Excellent mechanical properties deliver better scratch resistance, improved abrasion resistance and improved hardness.
- » Large color palette includes a variety of special effect colors. Available in 30-45, 50-60 and 75+ gloss units and fine textures.
- » Solutions for vertical or horizontal applications.
- » Single-coat, no primer systems delivers an applied cost advantage over two and three coat AAMA liquid systems.
- » Environmentally friendly alternative to liquid coatings (virtually no VOC emissions).
- » Qualifies for the U.S. Green Building Council's LEEDS program EQ 4.2. Worldwide warranty systems and support.
- » Decades of architectural experience; extensive global network.
- » Ideal applications include extrusions, exterior lighting equipment, fencing, HVAC systems, marine hardware, metal building panels, signage, solariums, skylights, solar panels, store front curtain walls, windows, railings and trim.

Certification Directions

For customers applying for certification or meeting AAMA specs. Consult with your Axalta representative on specification and project requirements. To ensure the proper Alesta AR series. Be prepared to provide detail of the specific project or OEM requirements.

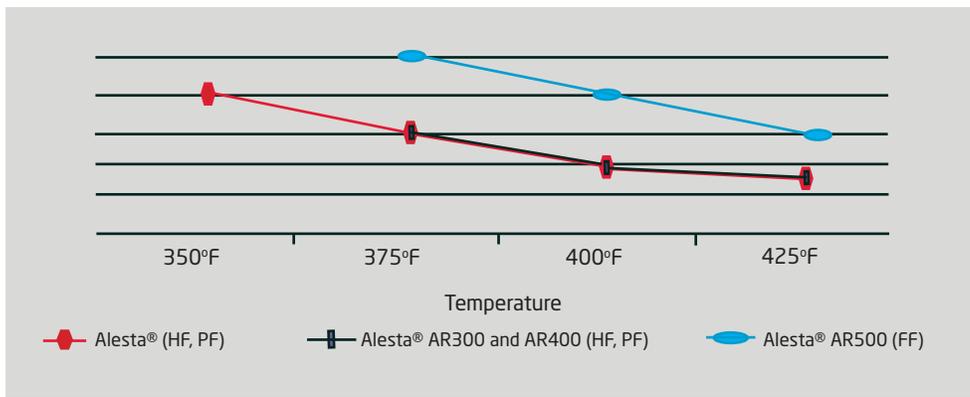
Similar to standard powder coatings, Alesta AR must be applied over recognized AAMA surface pretreatments. Acceptable pretreatments consist of multi-stage cleaning and conversion processes that use an amorphous chromate, amorphous chrome phosphate or non chrome pretreatment.

Use extra caution when selecting an alloy. Make sure that it is of a known origin and doesn't contain a high carbon content. Acceptable alloy grades include: 5005, 5053, 6060, 6061, and 6063. Strict adherence to recommended minimum film builds is required for all warranty applications. This is absolutely essential in coastal marine and swimming pool applications. Components with lower than recommended film builds will be susceptible to premature filiform corrosion.

- » A two-coat system consisting of an Axalta recommended primer and Alesta AR series topcoat is suggested for coastal marine applications. Consult with your Axalta representative for primer and topcoat recommendations. Strict adherence to recommended minimum film builds is required. Lower than recommended film builds may result in UV transmission through to the primer, resulting in topcoat delamination and failure.
- » Review technical data sheets and SDS prior to use. Consult with your Axalta representative if you have questions, concerns, or require additional information.
- » Alesta AR must be completely cured to ensure that full mechanical and weathering properties are achieved. Approved Alesta Architectural applicators must provide sufficient cure data to ensure conformity with warranty terms.

Series	Performance Standards	Application	Color & Gloss	Film Integrity
Alesta® AR300	AAMA 2603	Residential	1 year	1 year
Alesta® AR400	AAMA 2604	Premium Residential/Commercial	5 years	10 years
Alesta® AR500	AAMA 2605	Commercial/ Monumental	10 Years	20 years

Typical Cure Requirements



AR Cure Schedule

AR300 and AR400 Cure Schedule:

15 Minutes @ 375°F metal temp

10 Minutes @ 400°F metal temp

AR500 Cure Schedule:

20 Minutes @ 400°F metal temp

15 Minutes @ 425°F metal temp

Industry standards

Since 1936, the American Architectural Manufacturers Association (AAMA), has stood as a strong advocate for manufacturers and professionals in the fenestration industry with respect to:

Test	AAMA 2603-13 (Polyester)	AAMA 2604-13 (Premium Weathering)	AAMA 2605-13 (Fluoropolymer)
Dry Film Hardness	Pass	Pass	Pass
Dry Film Adhesion	Pass	Pass	Pass
Wet Film Adhesion	Pass	Pass	Pass
Boiling Water Adhesion	Pass	Pass	Pass
Impact Resistance	Pass	Pass	Pass
Abrasion Resistance	N/A	Pass	Pass
Muriatic Acid Resistance	Pass	Pass	Pass
Mortar Resistance	Pass	Pass	Pass
Nitric Acid Resistance	N/A	Pass	Pass
Detergent Resistance	N/A	Pass	Pass
Window Cleaner Resistance	N/A	Pass	Pass
Humidity Resistance	1500 hrs.	3000 hrs.	4000 hrs.
Salt Spray Resistance	1500 hrs.	3000 hrs.	N/A
Cyclical Corrosion	N/A	N/A	2000 hrs.
South Florida Weathering	1 yr.	5 yrs.	10 yrs.
Color Retention	Slight Fade	< 5 Delta E (Hunter)	< 5 Delta E (Hunter)
Chalk Resistance	Slight Chalk	< No. 8	< No. 8
Gloss Retention	Slight Chalk/Fade	>30%	>50%



Axalta Coating Systems

www.powder.axaltacs.com

www.axalta.us/powder

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