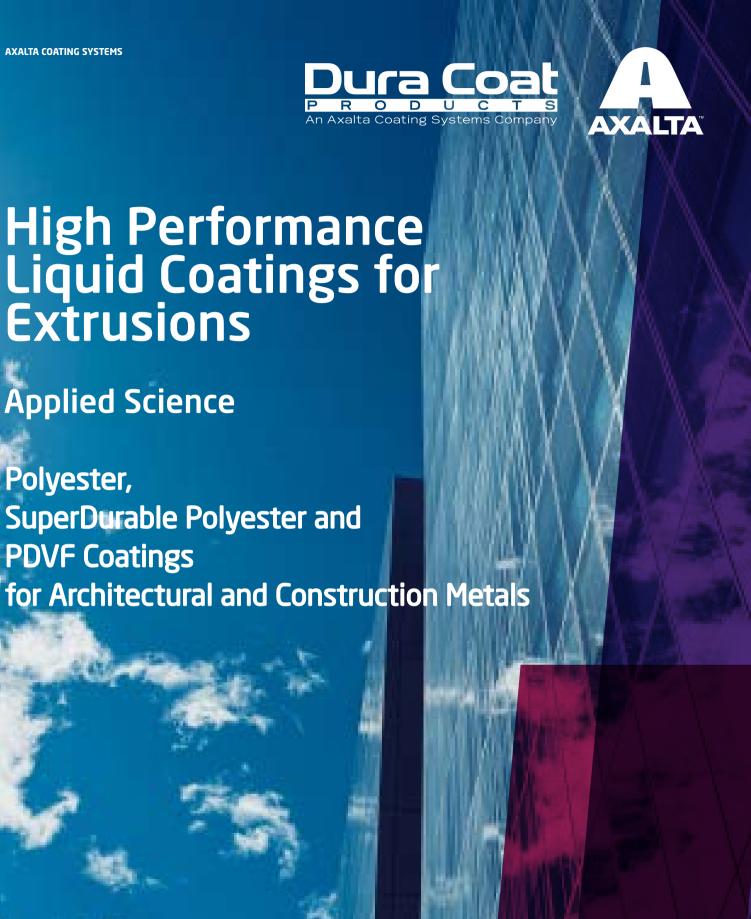
Applied Science

Polyester,

PDVF Coatings





Axalta serves more than 120,000 customers in 130 countries with the most advanced coatings, application systems and technology. The combined experience of Axalta and Dura Coat can be counted in centuries.

Dura Coat division offers a family of high-performance, scratch-resistant coatings that are developed with advanced formulations using low-emission resins, cool pigments, and energy-saving manufacturing methods—products that meet our customers' durability requirements as well as support their creative vision. We pride ourselves on innovative research and development, product quality and uniformity, and a focus on customer needs, including custom manufacturing and high-level technical support.



Huntsville, Alabama DuraCoat Headquarters





Dura Coat liquid coatings are ideal for:

Extrusions and spray-applied façade components (aluminum substrate), including:

- · Window and wall framing.
- Commercial windows.
- Louvres, grilles, sunscreens and canopies.
- Spray-applied wall panels including using Cool Roof Infrared Pigments.

All our coatings are factory-applied under controlled conditions by approved professional extrusion coaters.

Why choose liquid coatings?

- Superior color matching.
- Just-in-time production.
- Excess paint can be re-tinted and used.
- Easy to touch up in the field.
- Best range of mica and metallic colors.

Dura Coat liquid coatings can achieve:

Metallic Effect

Metal flakes, which reflect light, or mica flakes, which refract it, can be embedded in Dura Coat coatings to create a metallic appearance.

Textured Surfaces

Special Applications

- Antimicrobial coatings that use environmentally sustainable silver ions to resist growth and spread of microbes.
- Coatings for the solar industry:
 low gloss black for interior panels;
 reflective coatings for extrusions used
 to frame panels.
- Spatter coatings that use layers of color and, in some cases, low gloss levels to achieve the look of building materials such as granite or other stone—or even the appearance of weathering steel.

Performance

American Architectural Manufacturers Association (AAMA) specifications (available through the Fenestration and Glazing Industry Alliance, or FIGA) are the most common performance specifications for coatings. AAMA 2605 represents the highest standard. Various testing procedures measure coatings according to AAMA standards.

Comparison of AAMA Specifications

AAMA	2603 Ceranamel [™] E5000-CX	2604 Ceranamel [™] E7000-SD	2605 Durapon 70® Spray PVDF
Hardness	Pencil H-2H	Pencil F-2H	Pencil F-H
Dry/Wet Adhesion	Dry/Wet 100°F for 24 hours	Dry/Wet 100°F for 24 hours Boiling Water (20 min.)	Dry/Wet 100°F for 24 hours Boiling Water (20 min.)
Gloss Retention	N/A	Minimum 30% - 5 Years	Minimum 50% - 10 Years
Dry Film Thickness	.90 - 1.1 mils	1.0 - 1.2 mils	1.2 - 1.4 mils
Impact Resistance	Deform 3 mm No Film Removal	Deform 3 mm No Film Removal	Deform 3 mm No Film Removal
Nitric Acid Resistance	N/A	Not more than 5 DE color change after 30 minutes	Not more than 5 DE color change after 30 minutes
Chemical Resistance (Muriatic Acid Resistance - 15' Spot Test)	No blistering and no visual color change	No blistering and no visual color change	No blistering and no visual color change
Humidity Resistance	1500 hours: No greater than size #8 few blisters	3000 hours: No greater than size #8 few blisters	4000 hours: No greater than size #8 few blisters
G85 Cyclic Acidic Salt Spray	1000 hours: Minimum rating of 7 on scribe & cut edges. Minimum blister rating of 8.	1500 hours: Minimum rating of 7 on scribe & cut edges. Minimum blister rating of 8.	2000 hours: Minimum rating of 7 on scribe & cut edges. Minimum blister rating of 8.
South Florida Weathering	1 year -45° South No checking, crazing, or loss of adhesion	5 years -45° South Maximum 5 DE units of color change	10 years -45° South Maximum 5 DE units of color change
Pretreatment	Chrome & Chrome-Free	Chrome & Chrome-Free	Chrome & Chrome-Free
Mortar Resistance	24 Hour Pat Test	24 Hour Pat Test	24 Hour Pat Test



Polyester

240 Series Medium Solids

AAMA 2603

Durable exterior grade. Ideal for use on window and door frames, railings, and trim, as well as for interiors of commercial windows.

- Our most economical polyester system, the "work horse."
- Specially designed resin system.
- Available in low to high gloss.
- Single coat application, excellent substrate adhesion.
- Hard, tough and extremely scuffand abrasion-resistant.
- Resists staining and dirt pick-up.
- Good hole punch characteristics, no chipping.
- Flexible enough to withstand large radius forming.
- Resistant to UV radiation, salt spray and humidity.



Ceranamel™ E5000-FX

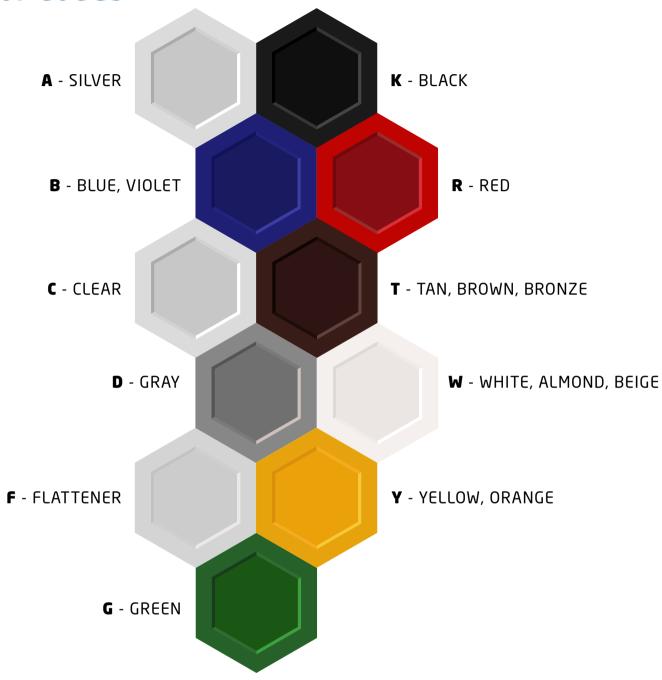
Polyester Flex 260 Series **AAMA 2603**

Recommended For RV windows. moldings, and other applications where post-painted flexibility is required.

- Designed with superior flexibility for severe bending after painting.
- Available in low to high gloss finishes.
- Single coat application, excellent substrate adhesion.
- A high molecular weight polyester resin provides extra elongation & thermoplasticity.
- Eliminates post-aging embrittlement.
- Excellent top hardness for resistance to scratching and transit abrasion.
- Resists staining and dirt pick-up.
- Resistant to salt spray and humidity.



Dura Coat Color Codes



Letters in the product code designate color.

DuraCoat Produced DC220K-XXXX

DC220K-XXXX

Color DC220K-XXXX

Manufacturing DC220K-XXXX

Examples:

DC220K-XXXX

DuraCoat Series 220, black ("K")

DC280W-XXXX

DuraCoat Series 280, white ("W")

Axalta Coatings Systems Company

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Ceranamel[™] E7000-SD High Durability Polyester

280 Series *Medium Solids*

AAMA 2604

Superior durability and chalk and fade resistance for exterior applications. Recommended for store fronts, windows, high traffic commercial and institutional areas, railings, trims and fascia.*

- Resin is a "composite" polymer design that assures consistent and complete cross-linking for extra UV resistance.
- Available in low to high gloss finishes.
- Superior protection against acid rain and corrosive environments.
- Excellent resistance to stains and dirt pick-up.
- Hard, tough and extremely scuffand abrasion-resistant.
- Economical alternative to silicone and fluorocarbon.
- * Primer optional

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Alabama-Manufacturing and R&D

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For more information, email Ben.Mitchell@axalta.com