



Group	803 – Echelon
Curing	min: 190°C for 15 mins or 204°C for 10 minutes
Surface	Smooth matt appearance
Brilliance	25 - 35 @ 60°C
Approvals	AAMA 2605

PRODUCT DESCRIPTION

Echelon Superior Performance Architectural Powder Coatings are recommended for a broad range of architectural applications. They incorporate Fluorocarbon resin technology combined with Solar Reflective pigments designed to meet the requirements of AAMA 2605. Due to its special content the product is particularly suggested for exterior coating.

Recommended for use on monumental building projects;

Windows	Railings
Doors	Fencing
Louvers	Curtain walls
Store fronts	Column covers
Sash extrusions	Skylights

Advantages:

Superior exterior color and gloss retention
Single coat application
Superior abrasion resistance
Proven in field experience

Storage Life:

Store at temperatures lower than 27°C
Storage life in original package: 12 months.

CHARACTERISTICS

Spec. Gravity (kg/l): 1,25 – 1,80

Theoretical Coverage @60um: 11 m²/kg

Recommended film thickness:

60 - 80 µm

APPLICATION

Suitable for automatic and manual electrostatic application
It is advised to apply the product at a thickness of 50-80 microns and to cure at 205°C for 10 minutes (pmt).

SUBSTRATE PREPARATION

Substrate should be free of grease, oil, dirt, fingerprints, drawing compounds, any contamination, and surface preparation treatments to ensure optimum adhesion and coating performance properties. The use of a chemical conversion coating prior to the application of a powder coating is required.

Aluminum: A minimum of a 5-stage metal cleaning and pretreatment system, or equivalent (e.g. NABUTAN 310), is recommended for good adhesion and optimum coating performance properties.

If AAMA 2605 performance is required, the AAMA 2605 pretreatment guidelines must be followed.

<u>TECHNOLOGICAL FEATURES AND RESISTANCE TESTS</u>	<u>NOTES</u>	<u>CAUTION</u>
<p>Adhesion (ASTM D-3359) minimum 4B</p> <p>Direct Impact Resistance (deformation with no loss of adhesion) >3mm</p> <p>Acid Resistance (ASTM D3260) Muriatic Acid 10% for 15min: No effect</p> <p>Alkali Resistance (ASTM D3260) Mortar Resistance for 24hr: No effect</p> <p>Detergent Resistance (ASTM D2248) 3% Immersion @ 38°C for 72 hrs: No effect</p> <p>Humidity (ASTM D-4585) Pass 4000 hours</p> <p>SaltSpray (ASTM G85 Annex A5) Pass 2000 hours</p> <p>Florida 45° South (10 years exposure): Color: <5 deltaE Chalk: Max 8 only on colors Chalk: Max 6 rating on whites Gloss: >50% Retention</p>	<p>The range of color availability will depend on exposure requirements and Architect's specification.</p> <p>Above 90 micron total dry film thickness mechanical properties will decline.</p> <p>While these coatings have been formulated with the intent to meet requirements of AAMA 2605 complete testing regarding South Florida weathering does not exist for all colors.</p>	<p>FOR INDUSTRIAL SHOP APPLICATION</p> <p>Thoroughly review product label and Safety Data Sheet (SDS) prior to using this product.</p> <p>A Safety Data Sheet is available from your local Sherwin-Williams facility or distributor</p> <p>Note: Product Data Sheets are periodically updated to reflect new information relating to the product. It is important that the user obtain the most recent Product Data Sheet for the product being used. The information, rating, and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in user handling and methods of application which are not known or under our control, The Sherwin-Williams Company cannot make any warranties as to the end result.</p>