

Guideline Specifications

GORDON ACROGUARD™ POLYESTER-BASED POWDER COAT PAINT FINISH SYSTEM

**PART 1 – GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections apply to this Section.

1.2 SUMMARY

- A. This section includes finishes applied to material as shown on the drawings.
- B. Related sections include the following: (list applicable sections)

1.3 SUBMITTALS

A. Manufacturer's Paint Chart and Data:

- 1. Product Data: Submit Gordon ACROGUARD polyester-based powder coat paint finish technical data and color chart for finish required.

B. Shop Drawings

- 1. Shop drawings shall show ACROGUARD polyester-based powder coat paint finish required.

C. Samples:

- 1. Samples shall include three, 2" x 3-1/2" sample Q-panels of each ACROGUARD polyester-based powder coat paint finish specified.

D. Certification:

- 1. Submit certificates attesting that finish complies with specified finish requirements.

E. Qualification Data:

- 1. Firms specified in "Quality Assurance" Article must demonstrate their capabilities and experience by including lists of completed projects with project names and addresses, names and addresses of architects and owners, and other information specified.

1.4 QUALITY ASSURANCE

- A. Supplier: Firm with manufacturing and delivery capacity required for the project, shall have successfully completed at least ten projects within the past five years, utilizing finish systems, and techniques as herein specified.
- B. Supplier must own and operate its own Painting and Finishing facility to assure single source responsibility and quality control.

## 1.5 DELIVERY, STORAGE & HANDLING

- A. All materials shall be protected during finishing, shipment, site storage and erection to prevent damage to the finished work from other trades. Store materials inside a well-ventilated area, away from uncured concrete and masonry, and protected from the weather, moisture, soiling, abrasion, extreme temperatures, and humidity.

## PART 2 - PRODUCTS

### 2.1 FINISHES

- A. All materials shall be supplied with ACROGUARD polyester-based powder coat paint finish.
- B. Color is to be Gordon ACROGUARD polyester-based powder coat paint finish, (Finish Name), PDR- (Finish number) as selected by the architect.
- C. All finishes shall meet or exceed all Clean Air Standards for EPA or State, and be USDA approved.
- D. All finishes shall meet or exceed the following Mechanical Testing – Note test results are based on .063” aluminum substrate and a film thickness of 1.9 – 2.0 Mils:
  - 1. Impact Resistance: 160/160 Per ASTM D2794
  - 2. Pencil Hardness: 3H Per ASTM D3363
  - 3. Taber Abrasion: 100 Per ASTM D4060
  - 4. Mandrel Bend: ¼” Per ASTM D522
  - 5. X-Hatch Adhesion: Passes Per ASTM D3359
  - 6. Machine Ability: Pass
- E. All finishes shall meet or exceed the following Exposure Testing – Note test results are based on .063” aluminum substrate and a film thickness of 1.9 – 2.0 Mils:
  - 1. QUV-B 313: 1,000 Hours Per ASTM D4587
  - 2. QUV Exposure: 1,000 Hours Per AAMA 2604
  - 3. Salt Spray Resistance: 3,000 Hours Per ASTM B117
  - 4. Humidity Resistance: 1,000 Hours Per ASTM D1735
  - 5. Sulfuric Acid Resistance: Pass

## PART 3 – EXECUTION

### 3.1 EXAMINATION

- A. Examine building scheduled to receive finish system for irregularities that would affect quality and execution of work. Notify contractor in writing of any unsatisfactory conditions.

### 3.2 INSTALLATION

- A. General: Comply with manufacturer's printed instructions and with governing regulations for local codes, applicable to work.
- B. Space Enclosure: Do not install any finished product until space is enclosed and weatherproofed, wet-work in space is completed and nominally dry, work above ceilings is complete, and temperature and humidity shall be continuously maintained at values near those of final occupancy.

### 3.3 CLEANING

- A. Clean all surfaces following installation. Use a mild soap or detergent solution such as TSP-90 or Ivory with a soft cloth to remove dirt and hand prints. Black handling marks can be removed using a mixture of isopropyl alcohol and an abrasive cleanser like Comet.
- B. Replace units having scratches, abrasions, or other defects, with unblemished materials.
- C. Maintenance per manufacturer's finish maintenance instructions.

### 3.4 PROTECTION

- A. Protection of ACROGUARD polyester-based powder coat paint finish from damage by other trades after installation is to be provided by general contractor.