



## Architectural Specifications

### **PART 1 GENERAL 1.1 DESCRIPTION**

This specification describes Aurora Epoxy Dust to properly prepared interior horizontal concrete substrates

#### **1.2 SUBMITTALS**

A. Manufacturer's technical information and instructions for surface preparation, product application, material storage and handling.

B. Color: Aurora Epoxy Dust is manufactured in 12 colors. Custom colors are available with predetermined order size. Color Charts are available.

#### **1.3 QUALITY ASSURANCE**

A. Applicator Qualifications: Experienced coatings applicator as well as successful installation of Aurora Epoxy Dust system.

B. Color: Aurora Epoxy Dust comes pre-packed to add entire contents to one gallon of clear epoxy binder. This amount will produce an opaque coating that will provide consistent results. A sample should be done to verify the color. Because of the effects of the finished product, a color chart cannot be used for color verification purposes.

D. Pre-installation: Before start of coating application, require that all parties/trades working in or around intended application surface are in full understanding of surface preparation, application, and protection of subsequently coated area.

#### **1.4 DELIVERY, STORAGE AND HANDLING**

A. Product is freeze/thaw stable.

B. Packing: Deliver materials in manufacturer's original, unopened packages and containers, with labels identifying manufacturer, product name, product number and color.

C. Storage and Protection: Store materials not in use in tightly covered containers, in

an ambient temperature between 40 – 115 degrees F. Keep contents dry.

D. Handling: Protect materials from contamination during handling and application. Wear dust respirator if handling contents as pigment particles can go airborne if disturbed.

#### **1.6 PROJECT CONDITIONS**

A. Temperature Conditions: Apply Aurora Epoxy Dust only when temperature of substrate and surrounding air temperatures is between 45 and 85 degrees F, or according to epoxy manufacturer's recommendations, whichever is more limiting.

#### **1.7 SEQUENCING**

A. Application of Aurora Epoxy Dust shall begin following substrate preparation.

B. In ideal curing conditions (60° F, 80% Relative Humidity) schedule application of Aurora Epoxy Dust 18-24 hours after primer is applied.

### **PART 2 PRODUCT**

#### **2.1 MANUFACTURER**

A. McKinnon Materials, Inc.  
5612 56<sup>th</sup> Commerce Park Blvd  
Tampa, FL 33610  
(813)622-7031 Telephone  
(813)621-9017 Fax  
Web Site [www.mckinnonmaterials.com](http://www.mckinnonmaterials.com)  
E-Mail [info@mckinnonmaterials.com](mailto:info@mckinnonmaterials.com)

#### **2.2 AURORA EPOXY DUST**

A. Pigment: Aurora Epoxy Dust

1. Description: Powder-based nano-particle.

2. VOC: None

3. Color: Please refer to Aurora Epoxy Dust color chart. Because of the final look, final color determinations cannot be based on a color chart. The color chart is for broad reference only. Final color selections need to be based on a physical sample.

- B. Prepare concrete substrate according to epoxy manufacturer's guidelines.
- C. A clear, self-leveling epoxy is required for best installation. Contact Aurora Epoxy Dust for guidelines.

## **PART 3 INSTALLATION**

### **3.1 EXAMINATION**

- A. Examine substrate and conditions, with application contractor present, to determine compliance with application requirements.
- B. Notify Architect in writing of anticipated problems and/or unsatisfactory conditions.
- C. Do not begin surface preparation or stain application until unsatisfactory conditions have been corrected.

### **3.2 PREPERATION**

- A. Ensure concrete has cured a minimum of 28 days. Perform concrete moisture testing for coating suitability and to determine if vapor barrier is required.
- B. Prepare surfaces in accordance with epoxy manufacturer's instructions. 1. Remove loose concrete, dirt, dust, oil, grease, and other contaminants. 2. Shot blast or surface grind concrete substrate.
- C. Surface must be free of all contaminants and appear dry.

### **3.3 APPLICATION**

- A. Application of Aurora Epoxy Dust shall begin following substrate preparation.
  - B. Substrate is primed with an epoxy primer, color consistent with primer color of sample.
  - C. Aurora Epoxy Dust pigment is to be mixed approximately 4 ounces to one gallon of clear epoxy binder, or per rate acquired in an approved sample. Epoxy is squeegee applied and tool finished at a rate of 60 sq ft/gallon or per coverage acquired in an approved sample.
  - D. Clear epoxy or urethane topcoat may be required within recoat window depending on degree of texture or chemical/abrasion resistance desired.
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