



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 56th Commerce Park Blvd

Tampa, FL 33610

(813)622-7031 Telephone

(813)621-9017 Fax

Web Site www.mckinnonmaterials.com

E-Mail 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.