

# **PK- 3 CERAMIC-COATING SYSTEM**

## **INDUSTRIAL FLOOR COATING**

### **1.0 SCOPE**

1.01 This specification defines the minimum requirements for surface preparation, application of materials and coatings for all surfaces as scheduled herein.

1.02 All protective coatings in this specification shall only be furnished by Absolute Protective Coatings

1.03 All work shall be performed in accordance with this specification and any deviation can only be undertaken with written consent of Absolute Protective Coatings.

### **2.0 GENERAL REQUIREMENTS**

2.01 The applicator shall review this specification, any accompanying plans, most recent product data sheets, application guidelines and material data safety sheets, as all are considered part of this document. These documents are to be on the job site at all times.

2.02 Application shall be performed by a firm regularly engaged in the application of high performance coating systems.

2.03 Coating materials shall be received, stored and used in accordance with Absolute Protective Coatings most recent product data sheets and application guidelines.

2.04 Coated surfaces shall be soft handled and protected from damage until fully cured.

2.05 The applicator shall inspect materials prior to use and notify the owner and manufacturer of any inconsistencies, non conformities, mismatches or other conditions which might render the materials substandard.

### **3.0 SURFACE PREPARATION**

3.01 Mechanically prepare surfaces to be coated, preferably by shotblasting, to a minimum of CSP-3 finish. Remove all existing coating systems that are not bonded securely, loose or failing concrete, patching materials and bond breaking substances including but not limited to dust, laitance, oil, grease or other contaminates. ( Existing coatings that are bonded, to be tested for compatibility with new coating and prepared by sanding or diamond grinding.)

3.02 After surface preparation, all cracks shall be routed to a minimum of 1/8 inch wide by 1/8 inch deep and filled with approved filler. ( FaceLift epoxy cement, ) For large cracks- 1/2" or larger- add approved aggregate to the facelift)

#### 4.0 MIXING, THINNING AND METHOD OF APPLICATION

4.01 All application equipment shall be in good operating condition. 4.02

Mixing, thinning and method of application shall comply with Absolute Protective Coatings most recent product data sheets and application guidelines.

#### 5.0 APPLICATION CONDITIONS

5.01 Coating materials shall not be applied when the ambient air temperature or the surface temperature is outside the boundaries as stated on the product data sheets and application guidelines.

5.02 No material shall be applied to a wet or damp surface, not in rain, snow, mist or fog, or when the surface temperature is within 5° F (3°C) of the dew point.

5.03 All materials shall be evenly applied to form a smooth, continuous and unbroken coating film.

5.04 Contamination of any type will not be permitted between coats.

#### 6.0 APPLICATION OF COATINGS

6.01 Fill all expansion joints as required.

6.02 Repair all cracks, spalls and joints with Absolute Protective Coatings approved patching material.

6.03 Apply (specified primer if required) or a scrape/base coat of FaceLift epoxy

cement-to entire area to fill and smooth imperfections and small cracks and seal concrete surface.

6.04 Apply PK-3 Ceramic at specified thickness ( 12-15 MILS WFT ,nominal) with knotted squeegee and back roll with 3/16" nap roller cover or 3/16 nap roller with roller gage.

6.05 Option: for added texture approved aggregate may broadcast into wet product and back roll with 3/16" nap roller to achieve approved texture.

6.06 Option: apply WB100-FC water base epoxy top coat ( or other approved top coat ) to specified thickness, as required or specified. by roller or squeegee, depending on texture desired. Do not leave any puddles or 'slick' spots.

(Texture can vary by using different size aggregates or by applying top coats in heavier or lighter film thickness.

