

## CEMENTITIOUS COATINGS

### PART 1 GENERAL

#### 1.1 SECTION INCLUDES

- A. Cementitious coating for horizontal and vertical concrete surfaces indicated on drawings.
- B. Preparation of existing concrete surfaces.

#### 1.2 RELATED SECTIONS

- A. Section 03300 - Cast-in-Place Concrete.

#### 1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Selection Samples: Color cards showing manufacturer's full selection.
- C. Manufacturer's installation instructions.

#### 1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Experienced in installation of sprayed coatings or trained by coating manufacturer.

#### 1.5 WARRANTY

- A. Provide manufacturer's 5-year limited warranty.

### PART 2 PRODUCTS

#### 2.1 MANUFACTURERS

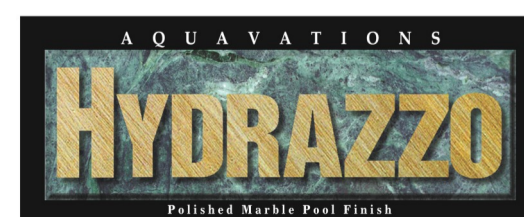
- A. Cementitious Coatings: CL Industries, 8188 S. Orange Ave, Orlando, FL 32859, Tel: 800-333-2660, 305-877-2089.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

#### 2.2 MATERIALS

- A. Cementitious Coating: CLI/Aquavations HYDRAZZO Polished Marble pool finish aggregate and Portland Cement.
  - 1. Color: \_\_\_\_\_
  - 2. Color: As selected from manufacturer's full line.
- B. Bonding Agent. CLI/Aquavations Permakote Bond Coat, one part polymer modified cement..
  - 1. Color: \_\_\_\_\_
  - 2. Color: As selected from manufacturers full line.

#### 3.1 PREPARATION

- A. Protect surrounding surfaces, vegetation, and pool water from damage and contamination due to cleaning and application procedures.
- B. Examine concrete surfaces to identify conditions that might interfere with proper bonding of coating.
  - 1. Test for presence of oil or grease by wetting surface and examining for beading water droplets.
  - 2. Look for algae, mold, or mildew.
  - 3. Look for dirt, paint, mortar droppings, patching compounds, loose tile, cracked concrete.
  - 4. Identify hollow spots in concrete by sounding.
- C. Clean concrete surfaces of all material that might interfere with proper bonding of coating.
  - 1. Clean with high pressure water.
  - 2. Wash with chlorine until algae, mold, and mildew are gone.
  - 3. Wash oil and grease spots using trisodium phosphate and water; soak if necessary.
  - 4. Remove coatings and heavy contaminant build-up by shot- or sand blasting.
- D. Remove and repair all hollow and loose concrete.
- E. Fill cracks up to 1/4 inch (6 mm) wide with joint sealant.
- F. Saw cut new control joints at locations indicated on drawings, as close as possible to existing Cracks.
- G. Etch cleaned surface with muriatic acid solution.
  - 1. Use concentration necessary to clean and roughen surface; smooth surfaces may require higher concentration. See manufacturers "Acid Wash" procedures.
  - 2. Neutralize acid and rinse off, without contaminating adjacent surfaces, soil, or water.



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### 3.2 INSTALLATION

- A. Do not begin installation on new concrete until concrete has cured at least 28 days.
- B. Apply coating in accordance with coating manufacturer's instructions and recommendations.
- C. Mix coating to produce best quality and consistent color throughout.
- D. Apply using methods and sequence selected to produce the most uniform finish. Avoid practices that may cause shadows, streaks, or discoloration.
- E. Apply base coat over entire surface filling imperfections and low spots; allow to dry and then scrape to remove ridges and bumps.
- F. Spray apply coating to entire area.
  - 1. Apply and "knock down" by trowel to achieve flattened texture.
  - 2. Use techniques recommended by manufacturer to achieve desired texture.
- G. If protection of adjacent surfaces has been damaged or removed, re-apply.
- H. Replace areas of non-uniform appearance.

### 3.3 PROTECTION

- A. Prevent foot traffic for at least 3 hours and heavy traffic for at least 48 hours.

