

SECTION 09670
MULTI COLORQUARTZ AGGREGATE
COATINGS FOR FLOORS

REQUIREMENTS OF DIVISION ONE APPLY TO WORK OF THIS SECTION.

PART 1: GENERAL

1. 01 SCOPE

- A. Work of this section includes everything necessary for, or incidental to completing Multi Color Aggregate Floor Coatings work, except as herein specifically excluded.

1. 02 RELATED WORK

- A. Glazed Wallcoatings Section 09815
- B. Painting Section 09900

1. 03 SUBMITTAL - SAMPLE REQUIREMENTS

- A. Submit Manufacturer's Application Instructions, standard color selections, test reports and samples for approval by the Architect.
- B. Colors: As selected by the Architect. After color selection, submit samples in triplicate, on 2 inch by 3 ½ inch hardboard, of the material specified, in colors selected. Mark each sample clearly to indicate manufacturer's name and product identification.

1. 04 PRODUCT HANDLING

- A. Delivery and Storage of Materials: Deliver all materials in their original packages with seals unbroken, with manufacturer's name and product identification clearly legible on each package. Store to preclude entry of moisture or damage from any source.

1. 05 ENVIRONMENTAL CONDITIONS

- A. Field Conditions: Verify actual field conditions. Inspect related work and adjacent surfaces. Report all conditions which prevent proper execution of this work to the Construction Manager.
- B. Do not apply coatings in damp or rainy weather. Do not apply coating at temperatures below 40 degrees Fahrenheit or above 110 degrees Fahrenheit.

- C. Test on and below grade concrete slabs for moisture vapor transmission using the standard Calcium Chloride Test Procedure. Do not apply coatings when moisture migration measures more than 3.0 lbs over a 1000 square foot area during a 24 hour time period.

1. 06 WARRANTY

Provide a two year written warranty against defects in materials and workmanship.

- A. Warrantee shall begin on date of completion of the project.

PART 2: PRODUCTS

2. 01 MANUFACTURER

- A. Vitrocem as manufactured by Bithell, Inc., 1004 East Edna Place, Covina, California 91724. Telephone (626) 331-2292, Fax (626) 339-4588.

- B. Material meeting these requirements produced by manufacturers other than those named, may be substituted provided prior architectural approval is obtained in writing ten (10) days prior to bid date. No substitutions will be allowed without prior approval. The decision of the architect shall be final.

- C. Coating system: Multi Colorquartz Polyester Floor Coating System.

2. 02 MATERIALS

- A. Polyester Floor Coat.
- B. Quartzite granules.
- C. Preformed cove radius.

PART 3. EXECUTION

3.01 SURFACE PREPARATION

Concrete preparation shall include one or both of the following methods:

- A. Mechanical: Shall include the use of scabbler, scarifier, or shot blast machine for surface removal and etching.

B. Chemical: Shall include a thorough scrubbing using manufacturer's special purpose detergent and acid etching to remove any laitance and open concrete pores.

3. 02 MATERIAL PREPARATION

A. Vitrocem Polyester Coating require the addition of catalyst just prior to use. Atmospheric conditions affect the curing. Follow manufacturer's printed directions regarding catalyst concentrations at varying temperatures.

3. 03 APPLICATION

A. Apply coatings to surfaces in accordance with manufacturer's instructions.

1. Apply preformed coved radius at joint between wall and floor.
2. Apply the first coat of Vitrocem Polyester Primer by roller at an approximate rate of 100 square feet per gallon.
3. While the first coat is still wet, broadcast decorative Colorquartz Aggregate in selected color to full coverage over the entire floor.
4. After a minimum 12-hour cure time, sweep and vacuum excess aggregate from the floor.
5. Apply a base using a contrasting color 6" up the wall from the finish floor line.
6. Apply a top coat of clear or Pigmented Vitrocem Polyester Floor Coat.
7. Allow a minimum of 24 hours cure time before putting the floor in service for light use. Allow seven days for complete cure.

3. 04 CLEANING

- A. As the work proceeds, and upon completion, promptly remove coating material where spilled, splashed or splattered.
- B. During progress of work, keep premises free from any unnecessary accumulation of tools, equipment, surplus materials and debris.
- C. Upon completion of work, leave premises neat and clean to the satisfaction of Architect/Engineer..

END OF SECTION