

SECTION 09815  
HI-BUILD THERMOSETTING POLYESTER  
GLAZED COATINGS  
FOR METAL WORK

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 Hi-Build Thermosetting Polyester Glazed Coatings work, except as herein specifically excluded.

1.02 RELATED WORK

- A. 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 1/2 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 manufacturers 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 coatings at temperatures below 40 degrees Fahrenheit or above 110 degrees Fahrenheit.

1.06 WARRANTY

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

- A. Warranty shall begin on date of final acceptance of the project.

PART 2: PRODUCTS

2.01 MANUFACTURER

- A. Vitroceam as manufactured by Bithell, Inc., 1004 East Edna Place, Covina, California 91724. Telephone (626) 331-2292 and Fax (626) 339-4588.
- B. Materials 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: Thermosetting Polyester Coating System.

2.02 MATERIALS

- A. Primer where applicable
- B. Polyester Enamel
- C. Polyester Enamel
- D. Clear Glaze

PART 3: EXECUTION

3.01 SURFACE PREPARATION

- A. Ascertain that surfaces to be coated are in proper condition to receive Hi-build glazed coatings. Report all unsatisfactory surfaces to Construction Manager, in writing.

B. Mask to protect uncoated adjacent surfaces.

C. Repair minor surface damage.

### 3.02 MATERIAL PREPARATION

A. Vitrocem Polyester Coatings 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 the first coat of Vitrocem Primer by spray and at an approximate rate of 400 square feet per gallon, if necessary, use primer on raw metal or where existing primer is incompatible with Polyester Enamel.
2. Apply a coat of Vitrocem Polyester Enamel by spray.
3. Apply a second coat of Vitrocem Polyester Enamel by spray.
4. Apply a coat of Vitrocem Clear Glaze by spray.

### 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 the Architect/Engineer.

END OF SECTION