

SECTION 09815
HAND LAY-UP FIBERGLASS REINFORCED
WALL COATINGS SYSTEM

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 Hand Lay-up Fiberglass Reinforced 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. Vitrocem 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: Hand Lay-up Fiberglass Reinforced Polyester Wall Coating System.

2.02 MATERIALS

- A. Polyester Filler Coat
- B. Fiberglass Fabric.
- C. Polyester Filler Coat.
- D. Polyester Enamel Coat.
- E. Decorative Spotting (optional).
- F. Clear Glaze.

PART 3: EXECUTION

3.01 A. Gypsum Board Surface:

1. Surfaces shall be dust free.
2. Joints shall be Fiberglass taped and screw holes shall be filled flush with Polyester Filler (optional).

B. Concrete Surfaces:

1. Surfaces shall be clean and free of all bond breakers or other foreign materials which might interfere with ultimate curing and adhesion of the coatings.

C. Plaster Surfaces:

1. Sand plaster surfaces with 100 grit sandpaper to remove surface glaze.

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 Polyester filler by roller at an approximate rate of 100 square feet per gallon.
 2. While the first coat is still wet, lay in fiberglass cloth. Roll into the wet coating using a roller. Overlap seams. Squeegee the surface to completely imbed the fiberglass.
 3. Apply a second coat of Vitrocem Polyester Filler at an approximate rate of 200 square feet per gallon.
 4. After 8 hours curing, sand entire surface to remove defects.
 5. Apply a coat of Vitrocem Polyester Enamel at a rate 200 square feet per gallon.

6. Apply Decorative Spotting in two colors using a specially designed spotting gun, available through Vitrocem. (Spotting is optional).
7. Apply a coat of Vitrocem Clear Glaze at a rate of 200 square feet per gallon.

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