

SECTION 099113 - EXTERIOR PAINTING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes surface preparation and the application of paint systems on the following exterior and interior substrates:
 - 1. Concrete and Clay masonry
 - 2. Steel Doors and Frames
 - 3. Exterior stucco and or plaster.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Samples: For each finish and for each color and texture required.
- C. Product List: Printout of current "MPI Approved Products List" for each product category specified in Part 2, with the proposed product highlighted.

1.3 QUALITY ASSURANCE

- A. MPI Standards:
 - 1. Products: Complying with MPI standards indicated and listed in "MPI Approved Products List."
 - 2. Preparation and Workmanship: Comply with requirements in "MPI Architectural Painting Specification Manual" for products and paint systems indicated.
- B. Mockups: Apply benchmark samples of each paint system indicated and each color and finish selected to verify preliminary selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution. Coordinate with Exterior Anti-Graffiti Product.
 - 1. Architect will select one surface to represent surfaces and conditions for application of each paint system specified in Part 3.
 - a. Vertical and Horizontal Surfaces: Provide samples of at least 50sqft exhibiting full range of historical color selections to be determined by historic paint analysis.
 - b. Other Items: Architect will designate items or areas required.
 - 2. Final approval of color selections will be based on benchmark samples.
 - a. If preliminary color selections are not approved, apply additional benchmark samples of additional colors selected by Architect at no added cost to Owner.

1.4 EXTRA MATERIALS

- A. Furnish extra materials described below that are from same production run as materials applied and that are packaged for storage and identified with labels describing contents.
 - 1. Quantity: Furnish an additional 5 percent, but not less than 10 gallons of each material and color applied. Confirm quantities of extra materials of each material and color applied with Owner.

PART 2 - PRODUCTS

2.1 PAINT, GENERAL

- A. Material Compatibility:
 - 1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- B. Colors: As determined by Historic Paint Analysis. Refer to Specification Section 099000 - Historic Paint Color Identification.

2.2 MANUFACTURERS

- A. Products: Subject to compliance with requirements, provide one of the products in the paint schedules.
- B. Manufacturers Names: The following manufacturers are referred to in the paint schedules by use of shortened versions of their names, which are shown in parentheses:
 - 1. Pittsburgh Paints (Pitt)

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.
- B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:
 - 1. Concrete: 12 percent.
 - 2. Masonry (Clay and CMU): 12 percent.
 - 3. Plaster: 12 percent.

- C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- D. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.
 - 1. Beginning coating application constitutes Contractor's acceptance of substrates and conditions.

3.2 PREPARATION AND APPLICATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- B. Clean substrates of substances that could impair bond of paints, including dirt, oil, grease, and incompatible paints and encapsulants.
 - 1. Remove incompatible primers and reprime substrate with compatible primers as required to produce paint systems indicated.
 - 2. The scope of this project includes comprehensive removal of existing exterior and interior paint where indicated in the drawings. Existing paint is to be removed with ProsoCo Heavy Duty paint remover. Refer to General Historic Treatment notes on Sheet 0.A.1.
- C. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
- D. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- E. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.3 EXTERIOR/INTERIOR PAINTING SCHEDULE

- A. Concrete and Clay Masonry Surfaces (Non-Traffic):
 - 1. Pitt 100% Acrylic Over Alkali-Resistant Primer System: MPI EXT 3.1K.
 - a. Prime Coat: PPG Perma-crete Alkali resistant primer - #4-503.
 - b. Intermediate Coat: Exterior acrylic matching topcoat.
 - c. Topcoat: PPG Sun Proof 100% acrylic topcoat - #72-45 (coordinate product # with colors to be determined by Historic Paint Analysis).
- B. Steel Substrates:

1. 100% Acrylic system for metal substrates
 - a. Prime Coat: If factory primer is not present provide primer compatible with substrate and topcoat specified below.
 - b. Intermediate Coat: high-gloss matching topcoat.
 - c. Topcoat: 90-374 Pitt Tech Int/Ext Gloss DTM Industrial Enamel

- C. Stucco and or Plaster Substrates:
 1. Pitt 100% Acrylic Over Alkali-Resistant Primer System: MPI EXT 9.1J.
 - a. Prime Coat: PPG Perma-crete Alkali resistant primer - #4-503.
 - b. Intermediate Coat: Exterior acrylic matching topcoat.
 - c. Topcoat: PPG Sun Proof 100% acrylic topcoat - #72-45 (coordinate product # with colors to be determined by Historic Paint Analysis).

END OF SECTION 099113