SECTION 09 91 13 - EXTERIOR PAINTING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes surface preparation and the application of paint systems on the following exterior substrates:
   1. Wood.

B. Related Sections:
   1. None.

1.2 DEFINITIONS

A. Light Absorption Value: Percentage of light absorbed by a finish.

B. Light Reflectance Value (LRV): Percentage of light reflected by a finish.

C. Gloss Sheen Ratings of applied dry paint at 60 degrees and at 85 degrees:
   1. Flat or Matte finish: 0 – 5; 10 max.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples for Initial Selection: For each type of topcoat product indicated.

C. Samples for Verification: For each type of paint system and each color and gloss of topcoat indicated.
   1. Submit Samples on rigid backing, 8 inches (200 mm) square.
   2. Step coats on Samples to show each coat required for system.
   3. Label each coat of each Sample.
   4. Label each Sample for location and application area.

D. Product List: For each product indicated, include the following:
   1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
1.4 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials described below that are from same production run (batch mix) 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 1 gal. (3.8 L) of each material and color applied.

1.5 QUALITY ASSURANCE

A. 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.

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 100 sq. ft. (9 sq. m).
   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.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.7 PROJECT CONDITIONS

A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).

B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.
PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Benjamin Moore and Co.
2. Glidden Professional.
3. PPG Architectural Finishes, Inc.

2.2 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:

2.3 PRIMERS

A. Universal Primers:

1. Benjamin Moore and Co.:
   a. One Coat 023 Fresh Start® All-Purpose 100% Acrylic Primer (100 g/L VOC).
   b. One Coat 024 Fresh Start® All-Purpose Alkyd Primer (350 g/L VOC).
   c. One Coat W024 Fresh Start® All-Purpose Alkyd Primer (350 g/L VOC).
   d. One Coat 100 Fresh Start® Moorwhite® Penetrating Alkyd Primer (350 g/L VOC).
   e. One Coat 169 Super Spec® Latex Exterior Primer (200 g/L VOC).

2. Glidden Professional: One Coat Gripper Interior/Exterior Primer Sealer 3210-1200 (<100 g/L VOC).
3. PPG Architectural Finishes, Inc.: One Coat PPG Seal-Grip Interior/Exterior 100% Acrylic Universal Primer/Sealer 17-921 Series (1.5 mils DFT).
2.4 FINISH COAT (select one each from the following systems)

A. Exterior Latex Paints:

1. Exterior Latex (Flat):
   a. Benjamin Moore and Co.:
      1) 183 Super Spec® 100% Acrylic Exterior Flat (100 g/L VOC).
      2) 189 Super Spec® Exterior Latex Flat Finish (100 g/L VOC).
   b. Glidden Professional:
      1) Two Coats Fortis 450 Exterior Flat Paint 6201V (solids: 38% volume and 56% weight, <50 g/L VOC).
      2) Two Coats Fortis 350 Exterior Flat Paint 2200V (solids: 37% volume and 54% weight, <50 g/L VOC).
      3) Two Coats Ultra-Hide 150 Exterior Flat Paint 2210V (solids: 34% +/- 1% volume and 52% +/- 1% weight, <50 g/L VOC).
   c. PPG Architectural Finishes, Inc.:
      1) 6-610 SPEEDHIDE® Exterior Flat 100% Acrylic Latex (96 g/L VOC).
      2) 6-753 SPEEDHIDE® Exterior Flat Latex (96 g/L).
      3) 6-8504 Series SPEEDHIDE® Exterior Flat Latex (<50 g/L VOC).
      4) 10-6 Series Pitt-Cryl® Exterior Wood and Stucco Flat Latex (90 g/L VOC).
      5) 10-1110 Series Pitt-Cryl® PLUS Exterior Wood and Stucco Flat 100% Acrylic Latex (94 g/L VOC).
   d. Sherwin-Williams Company (The):
      1) Two Coats S-W A-100 Exterior Latex Flat, A6 Series (4 mils wet, 1.4 mils dry per coat).
      2) Two Coats S-W Resilience Latex Flat, K42 Series (4 mils wet, 1.4 mils dry per coat).

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. Wood: 15 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

A. Comply with manufacturer's written instructions and recommendations applicable to substrates and paint systems indicated.

B. Remove plates, machined surfaces, and similar items already in place that are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
   1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
   2. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.

C. 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.

3.3 APPLICATION

A. Apply paints according to manufacturer's written instructions.
   1. Use applicators and techniques suited for paint and substrate indicated.
   2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.

B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.

D. 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.
3.4 FIELD QUALITY CONTROL

A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure at any time and as often as Owner deems necessary during the period when paints are being applied:

1. Owner will engage the services of a qualified testing agency to sample paint materials being used. Samples of material delivered to Project site will be taken, identified, sealed, and certified in presence of Contractor.
2. Testing agency will perform tests for compliance of paint materials with product requirements.
3. Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying-paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

3.5 CLEANING AND PROTECTION

A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
C. 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.
D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

END OF SECTION 09 91 13
COLOR DETAILS

SW7047 PORPOISE
Interior/Exterior

COLOR FAMILIES
Color Family
Warm Neutrals

RGB VALUE
R: 106
G: 101
B: 91

LRV
13

HEX VALUE
#6A655B

FAVORITE STORE
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We can also be reached by phone at:
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