SECTION 09 90 00 - INTERIOR PAINTS AND COATINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Interior paint and coating systems including surface preparation.

B. Interior paint and coating commercial systems including surface preparation.

1.2 RELATED SECTIONS

A. Section 06 20 23 – Interior Finish Carpentry

B. Section 08 14 16 – Flush Wood Doors

C. Section 09 29 16 – Gypsum Board Systems

1.3 REFERENCES

A. Material Safety Data Sheets / Environmental Data Sheets: Per manufacturer's MSDS/EDS for specific VOCs (calculated per 40 CFR 59.406). VOCs may vary by base and sheen.

B. California Department of Public Health (CDPH):
   1. CDPH v1.1-2010 and V1.2-2017

1.4 SUBMITTALS

A. Product Data: For each paint system indicated, including.
   1. Product characteristics.
   2. Surface preparation instructions and recommendations.
   3. Primer requirements and finish specifications.
   4. Storage and handling requirements and recommendations.
   5. Application methods.
   6. Cautions for storage, handling and installation.

B. Selection Samples: Submit samples of specified colors in the Finish Legend to architect for review and approval.

C. Verification Samples: For each finished product specified, submit samples that represent the actual product, color, and sheen. Submit samples of specified colors in the Finish Legend to architect for review and approval.

D. Coating Maintenance Manual: Upon conclusion of project, the Contractor or paint manufacturer/supplier will furnish a coating maintenance manual, such as Sherwin-Williams, "Custodian Project Color and Product Information" report or approved equal. Manual will include an Area Summary with finish schedule, area detail designating where each product/color/finish was used, product data pages, Material Safety Data Sheets, care and cleaning

instructions, touch-up procedures, and color samples of each color and finish used.

E. Only submit complying products based on project requirements. One must also comply with the regulations regarding VOCs (SCAQMD). To ensure compliance with district regulations and other rules, businesses that perform coating activities should contact the local district in each area where the coating will be used.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: A subcontractor experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.

B. Paint exposed surfaces. If a color of finish, or a surface is not specifically mentioned, Architect will select from standard products, colors, and sheens available as requested.

C. Do not paint prefinished items, concealed surfaces, finished metal surfaces, operating parts, and labels unless indicated.

D. Mock-Up: Provide one completed resident apartment bathroom as a mock-up for evaluation of surface preparation techniques and application workmanship.
   1. Finish surfaces for verification of products, colors, and sheens.
   2. Review and approval of resident apartment bathroom by Architect and/or Owner.
   3. Compatibility and Adhesion: Check after one week of drying and curing by testing in accordance with ASTM D3359; Adhesion by tape test. If the coating system is incompatible, additional surface preparation up to and including complete removal may be required.
   4. Final mock-up of resident apartment bathroom to remain as part of final construction project and used as reference for finish standard of additional resident apartment bathrooms.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver manufacturer's unopened containers to the work site. Packaging will bear the manufacturer's name, label, and the following list of information.
   1. Product name, and type (description).
   2. Application and use instructions.
   3. Surface preparation.
   4. VOC content.
   5. Environmental handling.
   6. Batch date.
   7. Color number.

B. Storage: Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

C. Store materials in an area that is within the acceptable temperature range, per manufacturer's instructions. Protect from freezing.

D. Handling: Maintain a clean, dry storage area, to prevent contamination or damage to the coatings.

1.7 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.8 EXTRA MATERIALS

A. Furnish extra paint materials from the same production run as the materials applied and, in the quantities, described below. Package with protective covering for storage and identify with labels describing contents. Deliver extra materials to Owner.

B. Furnish Owner with an additional 2 gallons of each material, color, and sheen (2 for flat, 2 for semigloss for doors, and 2 for semigloss for HM trim) for a total of 6 gallons.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Sherwin-Williams, which is located at:
1 Sherwin Way
Cleveland, OH 44113
Toll Free Tel: 800-4-SHERWIN (474-3794)
Tel: 216-566-2000
Fax: 216-566-1392
Email:specifications@sherwin.com
Web: https://www.sherwin-williams.com/architects-specifiers-designers
https://www.sherwin-williams.com/full-spectrum-possibilities
https://www.swspecs.com.

B. Requests for substitutions as Approved Equal will be considered, reviewed and accepted by Architect.

2.2 APPLICATIONS/SCOPE

A. Interior Paint and Coating Commercial Systems: Zero VOCs
1. Wood: Walls, ceilings, doors, trim and similar items.

2. Drywall: Drywall board, Gypsum board.

2.3 PAINT MATERIALS - GENERAL

A. Paints and Coatings:
   1. Unless otherwise indicated, provide factory-mixed coatings. When required, mix coatings to correct consistency in accordance with manufacturer's instructions before application. Do not reduce, thin, or dilute coatings or add materials to coatings unless such procedure is specifically described in manufacturer's product instructions.
   2. For opaque finishes, tint each coat including primer coat and intermediate coats, one-half shade lighter than succeeding coat, with final finish coat as base color. Or follow manufactures product instructions for optimal color conformance.

B. Primers: Where the manufacturer offers options on primers for a particular substrate, use a primer categorized as "best" by the manufacturer.

C. Coating Application Accessories: Provide all primers, sealers, cleaning agents, cleaning cloths, sanding materials, and clean-up materials required, per manufacturer's recommendations.

D. Color: Refer to Finish Legend and Schedule for paint colors, and as selected. Zero VOCs.

2.4 INTERIOR PAINT AND COATING SYSTEMS COMMERCIAL SYSTEMS

A. Wood: Doors.
   1. Latex Systems:
      a. Semi - Gloss Scuff Resistant Waterbase Enamel:
         1) 1st Coat: SW Premium Wall and Wood Primer, B28W8111 (4 mils. wet, 1.8 mils. dry per coat).
         2) 2nd Coat: Sherwin-Williams Scuff Tuff Int. Waterbased Enamel, Semi-Gloss, S26-150 Series:
         3) 3rd Coat: Sherwin-Williams Scuff Tuff Int. Waterbased Enamel, Semi-Gloss, S26-150 Series (4 mils. wet, 1.2 mils. dry per coat).

B. Drywall: Walls, Ceilings, Gypsum Board, and similar items.
   1. Latex Systems:
      a. Flat Finish:
         1) 1st Coat: S-W ProMar 200 Zero VOC Interior Latex Primer, B28W2600 (4 mils. wet, 1.5 mils. dry per coat).
         2) 2nd Coat: S-W ProMar 200 Zero VOC Latex Flat, B30-12600 Series.
         3) 3rd Coat: S-W ProMar 200 Zero VOC Latex Flat, B30-12600 Series (4 mils. wet, 1.6 mils. dry per coat).

C. Metal: Aluminum, Galvanized Steel – Hollow Metal Frames

1. Latex Systems:
    a. Semi-Gloss Finish:
        1) 1st Coat: S-W Pro Industrial Acrylic Semi-Gloss, B66-650 Series.
        2) 2nd Coat: S-W Pro Industrial Acrylic Semi-Gloss, B66-650 Series (2.0-4.0 mils. dry per coat).

PART 3 EXECUTION

3.1 EXAMINATION

A. Do not begin installation until the substrates have been properly prepared; notify Architect of unsatisfactory conditions before proceeding. If substrate preparation is the responsibility of another installer, notify General Contractor of unsatisfactory preparation before proceeding.

B. Proceed with work only after conditions have been corrected and approved by all parties, otherwise application of coatings will be considered as an acceptance of surface conditions.

3.2 SURFACE PREPARATION

A. General: Surfaces will be dry and in sound condition. Remove oil, dust, dirt, loose rust, peeling paint, or other contamination to ensure good adhesion.
    1. Prior to attempting to remove mildew, it is recommended to test any cleaner on a small, inconspicuous area prior to use. Bleach and bleaching type cleaners may damage or discolor existing paint films. Bleach alternative cleaning solutions are advised.
    2. Remove mildew before painting by washing with a solution of 1 part liquid household bleach and 3 parts of warm water. Apply solution and scrub the mildewed area. Allow solution to remain on the surface for 10 minutes. Rinse thoroughly with clean water and allow the surface to dry before painting. Wear protective glasses or goggles, waterproof gloves, and protective clothing. Quickly wash off any of the mixture that comes in contact with skin. Do not add detergents or ammonia to the bleach/water solution.
    3. Remove items including but not limited to thermostats, electrical outlets, switch covers and similar items prior to painting. After completing painting operations in each space or area, reinstall items removed using workers skilled in the trades involved.

B. Drywall - Interior: Must be clean and dry. All nail heads must be set and spackled. Joints must be taped and covered with a joint compound. Spackled nail heads and tape joints must be sanded smooth, and all dust removed prior to painting.

C. Galvanized Metal: Clean per SSPC-SP1 using detergent and water or a degreasing cleaner to remove greases and oils. Apply to a test area, priming as required. Allow the coating to dry at least one week before testing. If

adhesion is poor, Brush Blast per SSPC-SP16 is necessary to remove these treatments.

D. Wood: Must be clean and dry. Prime and paint as soon as possible. Knots and pitch streaks must be scraped, sanded, and spot primed before a full priming coat is applied. Patch all nail holes and imperfections with a wood filler or putty and sand smooth.

3.3 INSTALLATION

A. Apply all coatings and materials with the manufacturer's specifications in mind. Mix and thin coatings according to manufacturer's recommendations.

B. Apply coatings using methods recommended by manufacturer.

C. Uniformly apply coatings without runs, drips, or sags, without brush marks, and with consistent sheen.

D. Apply coatings at spreading rate required to achieve the manufacturers recommended dry film thickness.

E. Regardless of the number of coats specified, apply as many coats as necessary for complete hide, and uniform appearance.

F. Inspection: The coated surface must be inspected and approved by the Architect and/or Owner prior to the application of each coat applied in mock-up resident apartment bathroom.

3.4 PROTECTION

A. Protect finished coatings from damage until completion of project.

B. Touch-up damaged coatings after substantial completion, following manufacturer's recommendation for touch up or repair of damaged coatings. Repair any defects that will hinder the performance of the coatings.

END OF SECTION