

SECTION 09900

PAINTING

PART 1 GENERAL

1.01 DIVISION OF RESPONSIBILITIES TERMINOLOGY: **NOT USED**

1.02 SUMMARY: The Contractor shall paint exposed exterior and interior finished wall and ceiling surfaces, and equipment including, but not necessarily limited to, exposed plumbing piping and insulation, HVAC ductwork, and electrical conduit and junction boxes, with primer and paint materials listed on the Painting Schedule in this Section, and as needed for a complete and proper installation.

1.03 RELATED WORK:

- A Section 03310- Concrete Floor Preparation.
- B Section 09260-Gypsum Wallboard & Partition System

1.04 WORK NOT INCLUDED:

- A Unless otherwise indicated, painting is NOT required on surfaces in concealed areas and inaccessible areas such as furred spaces, utility tunnels, pipe spaces and duct shafts.
- B Metal surfaces of anodized aluminum, stainless steel, chromium plate, and similar finished materials will not require painting under this Section except as otherwise specified.
- C Do not paint moving parts of operating units; mechanical or electrical parts such as valve operators; linkages; sensing devices and motor shafts, unless otherwise indicated. Do not paint over required labels or equipment identification, performance rating, or nameplates

1.05 SUBMITTAL: No submittal is required for the work of this Section IF provided per the construction documents. Any Request for Product Substitution must be submitted per Section 01340-Submittals.

1.06 QUALITY ASSURANCE:

- A Paint Coordination:
 - 1 The Contractor shall provide a prime coat that is compatible with the finish coat(s). Prime coat may be tinted towards the finish color as specified in this Section.
 - 2 The Contractor shall review other sections of the Project Manual as required so as to verify that the proper prime coat is used and to ensure compatibility of the total coating system with the substrate.
 - 3 The Contractor shall promptly notify the Architect, in writing, if there are anticipated problems in using the specified coating system.
 - 4 The Contractor shall provide barrier coat(s) over non-compatible primers, or remove the primer and re-prime as may be required.

1.07 DELIVERY, STORAGE AND HANDLING: The Contractor shall store paint materials at a minimum ambient temperature of 45° F and a maximum of 90° F, in a well ventilated area, unless required otherwise by the manufacturer's printed recommendations. The Contractor shall take precautionary measures to prevent fire hazards and minimize the potential for spontaneous combustion.

1.08 WARRANTY: The Contractor shall provide the Painting Subcontractor's Warranty for all work provided under the general contract for construction for a term of 1 year after the Date of

Substantial Completion, in the Building Maintenance Manual submitted to PETCO after the Date of Final Completion per Section 01700-Contract Closeout

- 1.09 EXTRA PAINT STOCK: Upon completion of painting work, the Contractor shall deliver to the jobsite, for secured storage at a location designated by the PETCO Project Manager, an extra stock of one (1) gallon of each color, type and sheen of paint used in the work, with each container tightly sealed and clearly labeled with contents and the location where used.

PART 2 PRODUCTS

2.01 PAINT MATERIALS:

- A. Except as specifically noted, all paint products shall be purchased by the Contractor from Sherwin-Williams Company Contact Stacy Stachler (216-341-6444; stacy.stachler@sherwin.com) No substitutions are acceptable
- B. Exterior stain on concrete masonry shall be by OKON Inc., Lakewood Co (800-237-0565). No manufacturer substitutions are permitted. *(if applicable)*
- C. General:
 - 1. All paint coatings shall conform to all state and local regulations including VOC/VOS rules in effect at the time of paint application. If water-based paints are required by the local jurisdiction, then the Contractor shall provide water-based paints approved by the manufacturer for the intended use. All paint products shall be formulated without lead or mercury.
 - 2. Primer, finish coat, and thinner materials shall be from a single manufacturer's unified system of painted finishes. Use only manufacturer-recommended equipment for paint application.

PART 3 EXECUTION

3.01 SURFACE CONDITIONS-GENERAL:

- A. The Contractor shall examine the areas and conditions under which work of this Section will be provided, shall correct conditions detrimental to timely and proper completion of the work, and shall NOT proceed until unsatisfactory conditions are corrected.
- B. Temperature: The Contractor shall NOT apply solvent-thinned paints when the temperature of surfaces to be painted and the surrounding air temperatures are below 50 degrees F or above 100 degrees F, unless otherwise permitted by the manufacturer's printed recommendations.
- C. Weather Conditions: The Contractor shall NOT apply paint in snow, rain, fog, or mist; or when the relative humidity exceeds 85% RH, and shall not apply paint to damp or wet surfaces, unless otherwise permitted by the manufacturer's printed recommendations. Paint applications may be provided during inclement weather only when within the temperature and humidity parameters specified by the paint manufacturer.

3.02 SURFACE CONDITIONS-CONCRETE FLOOR: *(painted floor, if applicable)*

- A. In addition to the Surface Conditions-General above, the Contractor shall verify that the surface is clean, dry, sound and offer sufficient profile to achieve adequate adhesion.
- B. Minimum substrate cure is 28 days at 75° F.

- C. Remove all form release agents, curing compounds, salts, efflorescence, laitance and other foreign matter by sandblasting, shot-blasting, mechanical scarification, or suitable chemical means.
- D. Provide skim coating of prepared concrete floor surface in Work Room and Wellness Room, per Section 03310-Concrete Floor Preparation
- E. Do not use hydrocarbon solvent for cleaning. Refer to ASTM D4260. Rinse thoroughly to achieve a final pH between 8.0 and 11.0. Allow to dry thoroughly prior to coating.
- F. Concrete Floor Testing:
 - 1. Moisture Emission Level Test: The Contractor shall provide testing to confirm moisture vapor emission levels, in accordance with ASTM F 1869.98 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride". This testing must be provided in an enclosed, temperature controlled building shell or tenant space
 - a. Maximum Acceptable Moisture Emission Level: Moisture Vapor shall not exceed 3.0 pounds per 1000 square feet per 24 hours.
 - b. Note that the specified acceptable emission level for this floor coating product may be different than for other finish flooring products scheduled.
 - 2. Concrete Slab Vapor Control Treatment shall be provided if the Maximum Acceptable Moisture Emission Level exceeds the limit specified, or if the Alkalinity pH as tested is above 9.

3.03 MATERIALS PREPARATION: Mix and prepare paint per the manufacturer's recommendations. Store paints in tightly covered containers when materials are not in use. Maintain containers used in storage, mixing and application of paint in a clean condition, free from foreign materials and residue.

3.04 SURFACE PREPARATION:

- A. Provide surface preparation and cleaning procedures per the paint manufacturers' printed recommendations.
- B. Remove items that are already in place and that are not intended to receive the scheduled paint finish; or provide surface-applied protection prior to surface preparation cleaning and painting procedures.
- C. Preparation of Exposed Shell Interior Face (at Retail Area, if applicable):
 - 1. If an exposed interior shell construction, without applied furring and gypsum wallboard, is scheduled for this project's Retail Area, and such exposed construction is acceptable to the PETCO Project Manager, then the Contractor shall provide an interior face of finish quality that is acceptable to the PETCO Project Manager, via the PETCO Project Manager's field inspection.
 - a. Exposed concrete unit masonry, if applicable, shall be uniform in appearance, with visible voids patched with mortar, flush with the adjacent concrete unit face. Mortar joints shall be formed concave suitable for exposed surfaces. Untooled flush cut mortar joints are not acceptable. Remove excess mortar, mortar smears, dirt and masonry.
 - b. Exposed concrete wall panels, if applicable, shall be uniform in appearance, with visible voids larger than 1/2" in any direction patched with a non-shrink,

cementitious patching product, and tooled flush with the adjacent concrete wall panel face. Remove excess concrete projections.

- c. Alternative exposed construction shall be finished similar to above descriptions, and with similar finish quality.

D. Preparation of Metal and Wood Surfaces:

1. Clean metal and wood surfaces free of dirt, oil, grease, and other foreign substances.
2. Galvanized metal surfaces: Use solvent for initial cleaning and treat the surface thoroughly with phosphoric acid etch solution; remove solution before proceeding.
3. Smooth finished wood surfaces exposed to view. Use varying degrees of coarseness in sandpaper to produce a uniformly smooth and unmarred wood surface.
4. Allow to dry thoroughly before application of paint.

E. Preparation of exposed metal, structural or plate steel:

1. Clean metal surfaces free of grease and oil, and clean in accordance with Steel Structures Painting Council publication SSPC-SPA-63 "Solvent Cleaning", followed by removal of all loose, scaling paint by hand scraping or with power tools.
2. Rusted surfaces shall be cleaned in accordance with SSPC-SP2-63 "Hand Tool Cleaning" or SSPC-SP3-633 "Power Tool Cleaning".
3. Where heavy rust, corrosion or deteriorated coatings exist, the surface should be abrasive blast cleaned in accordance with SSPC-SP6-63 "Commercial Blast Cleaning". The abrasive-blasted surface must be blown off with compressed air to remove blast product traces, and must be painted within 24 hours with rust inhibitive primer.
4. Weathered, unpainted galvanized iron surfaces must be wire-brushed or power washed to remove "white rust" deposits prior to application of galvanizing primer.

3.05 PAINT APPLICATION:

A. Primer and Painting:

1. Touchup shop-applied prime coat(s) which may have been damaged, and touchup bare metal or other substrate areas prior to start of the application of finished coat(s).
2. Tinting: Paint Primer coat shall be tinted towards the color of successive finish coats.
3. The "number of coats" indicated on the Painting Schedule is the minimum number of coats required. Additional coats required for complete coverage shall be applied at no additional cost to PETCO.
4. Visible defects: Sand and dust between coats to remove defects visible to the unaided eye from a distance of five feet from the surface.

B. Brush Paint Application: Brush out and work the brush coats onto the surfaces in an even film, working to the specified thickness. Cloudiness, spotting, holidays, laps, brush marks, runs, sag, and other visible surface imperfections are not acceptable.

C. Spray Paint Application:

1. Except as otherwise specifically accepted by the PETCO Project Manager, spray application should be limited to metal framework and similar surfaces where hand brushwork would be inferior.
2. Where spray application is provided, apply each coat to provide the hiding equivalent of an equivalent brush coat. Do NOT double-back the spray paint, in an attempt to build up a two-coat film thickness in one pass.

D. Remove, refinish, or repaint any work that is not in compliance with the specified requirements.

E Miscellaneous Surfaces and Procedures:

1. Exposed Mechanical and Electrical items:
 - a Paint access doors, pipes, conduit, junction boxes, ducts, grilles, registers, vents and similar items which are not factory pre-finished/ pre-painted, to match the paint color of the adjacent wall or ceiling surface, unless otherwise shown on the drawings or as otherwise directed by the PETCO Project Manager.
 - b Clean metal with solvent, prime and apply two coats of alkyd enamel.
 - c Do NOT paint factory pre-finished surfaces, except as otherwise specified.
2. Exposed Piping Insulation: Apply one coat of latex paint on insulation that has been sized or primed under other sections; apply two coats on such surfaces when unprepared. Match color of adjacent surfaces. Remove band before painting, and reinstall band after painting.
3. Hardware: Paint prime coated hardware to match adjacent surfaces.
4. Exposed Vents: Apply two coats of heat-resistant paint.

3.06 EXTERIOR SURFACES PAINTING SCHEDULE:

A. Concrete Masonry (exterior, painted):

First Coat	Sherwin-Williams PrepRite Int/Ext Latex Block Filler #B25W25
Second AND Third Coats	Sherwin-Williams A-100 Exterior Latex Flat #A6
Paint Type/ Sheen	Acrylic Latex/ Flat

B. Concrete Masonry (exterior, stained):

First Coat	OKON Block Plugger
Second AND Third Coats	OKON Plus Color (OKON W-2 proportionally mixed with Sherwin-Williams A-100 Exterior Latex Flat #A6); mixing proportions have NOT been determined
Paint Type/ Sheen	100% acrylic emulsion masonry paint/ Flat

C. Ferrous and Galvanized Metal (exterior HM Doors and similar metal surfaces, where applicable):

First Coat	Sherwin-Williams DTM Acrylic Primer Finish #B66W1
Second AND Third Coats	Sherwin-Williams A-100 Exterior Latex Gloss #A8
Paint Type/ Sheen	Acrylic Latex/ Gloss

D. Concrete & Asphalt Safety Markings (exterior):

First, Second Coats	Sherwin-Williams Setfast Acrylic WB Traffic Paint #TM 225 / 226
Paint Type	Latex

3.07 INTERIOR SURFACES PAINTING SCHEDULE:

A. Interior Exposed Construction (e.g , columns, roof structural steel, exposed piping and ductwork below 12'-0" height):

First Coat	Pro-Industrial Pro-Cryl Universal Primer B66-310
Second AND Third Coats	ProMar 200 Interior Latex Eg-Shel #B20
Paint Type/ Sheen	Latex/ Semi-Gloss

- B. Interior Exposed Construction (metal roof deck, roof structural steel, exposed piping and ductwork above 12'-0" height):

First Coat (if Steel & Rusty Galvanized, with acrylic primer)	DTM Acrylic Primer/ Finish
First Coat (if Steel, with alkyd primer)	Kem Bond HS
Second AND Third Coats	Waterborne Acrylic Dryfall #B42W1, with tinting EnviroToner Colorant color added to match #SW-6158 "Sawdust" (with Third coat IF required for complete coverage)
Paint Type/ Sheen	Acrylic/ Flat

- C. Interior Doors and Door Frames:

First Coat	Galvite HS Primer #B50WZ30
Second AND Third Coats	ProMar 200 Interior Latex Semi-Gloss #B31
Paint Type/ Sheen	Latex/ Semi-gloss

- D. Wood:

First Coat	PrepRite Wall & Wood Primer #B49WZ2
Second AND Third Coats	Harmony Low Odor Latex B10 Series
Paint Type/ Sheen	Latex/ Semi-gloss

- E. Gypsum Wallboard:

First Coat	PrepRite 200 Latex Wall Primer #B28W200
Second AND Third Coats*	Harmony Low Odor Latex B9 Series
Paint Type/ Sheen	Latex/ Eggshell

- F. Moisture Resistant Gypsum Wallboard (e.g. Tub Room ceiling, Work Room, Restroom walls):

First Coat	PrepRite Classic Interior Latex Primer #B28W101
Second AND Third Coats	Bath Paint #A59
Paint Type/ Sheen	Latex/ Semi-Gloss

- G. Water Resistant Finish on Gypsum Wallboard (e.g. Retail Wall behind Aquariums)

First Coat	PrepRite Classic Interior Latex Primer #B28W101
Second AND Third Coats	Pro Industrial Precatalyzed Waterbased Epoxy K46 Series
Paint Type/ Sheen	Epoxy/ Semi-Gloss

3.08 PAINT COLORS: The following custom colors shall be provided as scheduled on the drawings:

- A. Drawing Key "PT-01 EG": Color #SW-6136 "Harmonic Tan", eggshell.
- B. Drawing Key "PT-01 SG": Color #SW-6136 "Harmonic Tan", semi-gloss.
- C. Drawing Key "PT-01 EP": Color #SW-6136 "Harmonic Tan", semi-gloss.
- C. Drawing Key "PT-02 DF": Color #SW-6158 "Sawdust", dryfall flat.
- D. Drawing Key "PT-03 EG": Color #SW-6127 "Ivoire", eggshell.
- E. Drawing Key "PT-09 EG": Color #SW-6129 "Restrained Gold", eggshell.

- F Drawing Key "PT-09 SG": Color #SW-6129 "Restrained Gold", semi-gloss
- G Drawing Key "PT-10 SG": Color #SW-6072 "Versatile Gray", semi-gloss
- H Drawing Key "Safety Yellow": Sherwin-Williams Color #SW-4084 "Safety Yellow".

END OF SECTION

