

## SECTION 09900 - PAINTS AND COATINGS

## PART 1 - GENERAL

## 1.1 SUMMARY

## A. Section Includes:

1. Field applied paints and finishes for interior and exterior surfaces. (Partial Owner Furnished/Partial Contractor furnished, Contractor Installed)
2. Repair and surface preparation of existing surfaces, including partial or total removal of existing coatings.
3. Application of new coatings.

## B. Related Requirements:

1. Section 01351 – Regulatory Compliance: Disposal and removal of hazardous construction and demolition waste. (Formerly included in Section 01743)
2. Section 07900 - Joint Sealers: Filler and sealant for crack repair.
3. Section 09250 - Gypsum Board: Textured coatings.
4. Appendix A – Products and Work By Owner or Separate Contractor
  - a. General procedures related to Owner furnished products.
  - b. Manufacturers, suppliers, vendor contacts and product names and numbers related to Owner furnished products.

## 1.2 REFERENCES

## A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.

## B. ASTM International (ASTM):

1. ASTM C 90 - Loadbearing Concrete Masonry Units.
2. ASTM C 1324 – Standard Test Method for Examination and Analysis of Hardened Masonry Mortar.
3. ASTM D 4262 – Test Method for pH of Chemically Cleaned or Etched Concrete Surfaces.
4. ASTM D 4263 - Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method.

## C. Master Painter's Institute (MPI):

1. MPI 25 – Evaluated Performance for Cleaner and Etching for Galvanized Metal.
2. MPI 72 – Polyurethane, Two-Component, Pigmented, Gloss.
3. MPI 108 – Epoxy, High Build, Low Gloss.

## D. The Society for Protective Coatings (SSPC):

1. SSPC-SP1 – Solvent Cleaning.
2. SSPC-SP3 – Power Tool Cleaning.
3. SSPC-SP15 - Commercial Grade Power Tool Cleaning.

## 1.3 ADMINISTRATIVE REQUIREMENTS

## A. Scheduling and Coordination:

1. Schedule a conference call with the Store Manager a minimum of two weeks in advance of commencement of work. Communicate daily the sequence of work with Store Management.

## B. Schedule operation to avoid interference with store operations. Perform surface preparation and painting work during night shift or schedule agreeable time with store management.

## 1.4 SUBMITTALS

## A. Applicator Qualifications Statement: Submit statement of applicator qualifications in accordance with Section 01330.

Submit within 2 weeks of start of construction.

- B. Closeout Documents:
1. Submit closeout documents in accordance with Section 01770.
  2. Submit Manufacturer Inspection Report of post-installation site visit specified hereinafter.
  3. Upon Completion, submit a completion report including at least 10 photos taken at each of the following work stages:
    - a. Before start of project.
    - b. During surface preparation of concrete and metal as specified in Part 3 herein.
    - c. During application of each coat as specified in Part 3 herein.
    - d. After completion of project.
  4. Submit material and workmanship warranty.

## 1.5 QUALITY ASSURANCE

- A. Regulatory Requirements:
1. VOC Content: Provide paint and coating materials that conform to Federal, State, and Local restrictions for Volatile Organic Compounds (VOC) content.
  2. Toxicity/EQ: Comply with federal, state, and local toxicity and environmental quality regulations and with federal requirements on content of lead, mercury, and other heavy metals. Do not use solvents in paint products that contribute to air pollution.
- B. Exterior Wall Coating Pre-Installation Conference:
1. Pre-Installation Conference:
    - a. Convene a pre-installation conference at the site, one week prior to commencing Work of this Section.
    - b. Contact Owner's Construction Manager two weeks prior to pre-installation conference to confirm schedule.
    - c. Attendance:
      - 1) Owner's Construction Manager (attendance optional).
      - 2) Contractor.
      - 3) Coating subcontractor.
      - 4) Coating manufacturer's technical representative.
    - d. Agenda:
      - 1) Substrate condition including manufacturer's written approval.
      - 2) Sequence and method of application of coating system.
    - e. Record discussions of conference and decisions and agreements (or disagreements) reached, and affix signatures of all attendees. Furnish copy of record to the Owner's Construction Manager and to each party attending.
- C. Exterior Wall Coating Field Sample
1. Test sample panel by applying exterior wall coating system to 10 ft by 10 ft sample panel at location on the building where shown on the drawings or established in the coating pre-installation meeting. Apply coating over the specified cleaning. Where multiple cleaning methods are necessary (e.g., total coating removal and overcoating), provide sample panels of each cleaning and coating combination.
  2. Apply in accordance with manufacturer's recommendations and specified colors, texture, workmanship, and application requirements.
  3. Obtain Owner's Construction Manager's approval of sample panel.
  4. Maintain approved sample panel during construction as a standard for judging completed Work. Do not alter, move, or destroy panel until Work is completed.
  5. Apply a final coat to sample panel simultaneously with scheduled final coat of adjacent wall surface.
- D. Exterior Wall Coating Applicator Qualifications:
1. Contractor shall have a minimum of five years proven satisfactory experience and shall show proof before commencement of work that he will maintain a qualified crew of painters throughout the duration of the work. When requested, Contractor shall provide a list of the last three comparable jobs including, name and location, specifying authority / project manager, start / completion dates and value of the painting work.
  2. Contractor shall be solely responsible for the construction means, methods, techniques, sequences and procedures for completing the Work, shall be experienced in the preparation of surfaces and application of protec-

tive coatings to interior and exterior surfaces of CMU, EIFS, steel, and galvanizing in applications similar to this project.

3. Only qualified journeypersons, as defined by local jurisdiction shall be engaged in painting work. Apprentices may be employed provided they work under the direct supervision of a qualified journeyperson in accordance with trade regulations.

- E. Coating Manufacturer's Technical Representative: A coating manufacturer's representative shall provide field service at site to confirm the quality of surface preparation and coatings application, as required.

#### 1.6 DELIVERY, STORAGE AND HANDLING

- A. Transport, handle, store, and protect products in compliance with the requirements of Section 01600.
- B. Paint orders shall identify the store number, location, batch number and address of project.
- C. Delivery of paint materials shall be in sealed original labeled containers, bearing manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and/or reducing. Notify Supplier when delivered products are nonconforming.
- D. Store coating materials in a location conforming to the manufacturers specified ambient conditions for storage and away from direct sunlight. Unless otherwise required by the manufacturer, maintain storage at temperature between 45 and 95 F.

#### 1.7 ENVIRONMENTAL REQUIREMENTS

- A. Apply paint to masonry surfaces only when moisture content is within manufacturer's acceptable range for type of specified coating.
- B. Maintain minimum surface temperatures or ambient air temperature as follows for the specified coatings unless otherwise recommended by the manufacturer or specified in the Paint Schedule herein:
  1. Alkyd, epoxy, polyurethane, and interior and exterior acrylic and latex finishes: 50 degrees F.
  2. Varnish and transparent finishes: 65 degrees F.
  3. All coatings: Surface temperature at least 5 degrees F above the dew point.
- C. Maintain maximum surface temperatures or ambient air temperatures and relative humidity as recommended by the manufacturer.
- D. Provide continuous ventilation and heating facilities to maintain temperatures above the minimum surface and air temperature specified above for 24 hours prior to, during, and 48 hours after application of finishes.
- E. Do not apply paint in areas where dust is being generated. Do not apply coatings in conditions that could result in overspray on vehicles or other property.
- F. Perform painting under lighting conditions of not less than 80 foot candles measured mid-height of the painter at substrate surface.
- G. Waste Management:
  1. Store, transport, and dispose of waste in accordance with local, state and federal regulations and the requirements of Section 01351 Supplement.
  2. Do not dispose of paint, containment materials, or project waste in Owner's dumpsters.
  3. Clear debris and waste from the site daily.
  4. Obtain paint in containers of the largest size practical for each color, sheen, and type.
  5. Furnish disposal containers.
  6. Return reusable containers and totes to manufacturer.
  7. Clean and recycle containers that cannot be returned to manufacturer.

8. Recover wash wastewater and dispose of according to local waste water treatment regulations. Avoid discharge of wash wastewater flow from the surface cleaning processes into storm water drain or catch basin, street, roadway, sidewalk, gutter, landscaping or any type of storm water structure

## PART 2 - PRODUCTS

### 2.1 OWNER FURNISHED PRODUCTS

- A. Owner's supplier will furnish the specified products in the quantities as specified on the Owner Furnished Quantity Schedule in Appendix A (Section 09900) for installation by the Contractor.
- B. Products Provided (Furnished and Installed) by the Contractor: Provide products specified herein which are not scheduled to be Owner furnished.
- C. Quantity Furnished:
  1. The quantity furnished by Owner may not be fully sufficient for the total project.
  2. Owner furnished coatings as determined necessary by the Contractor for the complete project shall be obtained from the Owner's Supplier in the quantity specified.
  3. Supplemental required quantities to those of Owner furnished coatings, including additional quantities of Owner furnished coatings as determined by the Contractor necessary for the complete project, shall be furnished by the Contractor at Contractor expense.
  4. Other materials, accessories, and coatings not furnished by Owner as determined by the Contractor to be necessary for the complete project shall be furnished by the Contractor at Contractor expense.
  5. Owner furnished coatings are not differentiated by color. The Contractor shall identify on the order the appropriate colors as required.
- D. Exterior Coatings: Unless noted otherwise, Owner's supplier will furnish exterior coatings as follows:
  1. Initial Distribution: Owner's supplier will furnish 90 percent of the total quantity specified on the Owner Furnished Quantity Schedule.
  2. Second Distribution: Upon Contractor's request, Owner's supplier will furnish up to an additional 15 percent of the total quantity specified on the Owner Furnished Quantity Schedule .
  3. Owner's supplier will furnish in a single distribution the total quantity of the exterior urethane system specified on the Owner Furnished Quantity Schedule.
- E. Interior Coatings: Owner's supplier will furnish interior coatings in the quantities as specified on the Owner Furnished Quantity Schedule.

### 2.2 MATERIALS

- A. Paint: Owner furnished and Contractor provided coating materials shall be the product of Sherwin Williams Co. as specified in the Painting Schedule hereinafter. Substitutions will not be permitted.
- B. Accessory Materials: Accessory materials not specified herein but recommended by the manufacturer or required to achieve the finishes specified.
  1. Paint Thinners: Type recommended by paint or coating manufacturer for paint or coating system, VOC compliant, first line commercial quality.
  2. Patching Materials: As specified under Part 3 - Execution.
  3. Masking.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine surfaces and adjacent areas where products will be applied and verify that surfaces conform to product manufacturer's requirements for substrate conditions. Do not proceed until unsatisfactory conditions have been corrected.

- B. Beginning of application indicates acceptance of substrate conditions.

### 3.2 GENERAL PREPARATION

- A. Establish dust containment and safety zones with caution tape and or barricades prior to beginning to isolate work in areas of store operations as specified in Part 3 - Protection.
- B. Remove or mask hardware, hardware accessories, machined surfaces, plates, lighting fixtures, and similar items in place and not to be painted. Reinstall all removed items after completion of paint work.
- C. Sign Removal:
  - 1. Remove adhesive-backed interior and exterior signage attached to doors and walls to be painted.
  - 2. Dispose of removed signs
  - 3. Do not remove large exterior mechanically attached signage.
- D. Signage Replacement:
  - 1. Inform the following when exterior painting is complete and ready for new sign installation and replacement of removed signs.
    - a. Walmart Exterior Sign Team: [exterior12@Walmart.com](mailto:exterior12@Walmart.com), Edith McGee (479) 204-0735, James Iglehart (479) 204-1618, or Karen Lombard (479) 277-9518.
- E. If plants, moss, mildew, or other biological growth is present, thoroughly saturate the area with a mixture consisting of 1 quart bleach/3 quarts water, and 1 cup powdered detergent. Allow the mixture to remain on the surface until the biological growth is removed. Scrub the surface and repeat as necessary to assure complete removal. Thoroughly rinse with fresh water.
- F. Remove visible grease and oil by solvent cleaning in accordance with SSPC-SP1.
- G. Protect surfaces and surrounding property not receiving paint as specified in Part 3 - Protection.
- H. Perform preparation and cleaning procedures as specified in this section and in accordance with paint manufacturer's instructions as necessary for unique project conditions. If the manufacturer's written recommendations conflict with the requirements of this specification, comply with the requirements of this specification unless otherwise directed.

### 3.3 SURFACE PREPARATION

- A. Pressure Washing:
  - 1. Remove loose paint, chalk, efflorescence, oil, grease and surface contamination by pressure washing when specified in the following surface preparations.
  - 2. Use equipment with at a minimum 5,000 psi and a spinner tip.
  - 3. If removing heavy chalk, use a TSP and water solution. Add .5 lbs. of TSP per 1 gallon of water. Apply to the wall surface using a low pressure sprayer and allow 20-30 minutes before rinsing.
  - 4. Thoroughly rinse the surface to ensure that no residue of TSP solution remains and to remove loose paint. To rinse, power wash the surface using a 5,000 psi pressure washer with a spinner tip. Scrub the surface with a soft bristled brush to remove any remaining chalk residue if necessary.
  - 5. Wipe a white cloth across the surface to ensure that no residue is visible on the cloth.
  - 6. As an alternative to TSP, a chalk removal additive recommended by the coating manufacturer can be used.
  - 7. If the surface cleanliness is not achieved using 5,000 psi pressure washing equipment, use heated pressure washing equipment (200F or higher) or contractor-selected equipment to achieve the specified degree of cleaning.
  - 8. Dispose of the waste water as specified in the Environmental Requirements of Part 1 and in accordance with 01351.
- B. Steel - Exterior:
  - 1. Remove dust, dirt buildup, grease, oil, mold, mildew, chalk, dirt, and surface debris. Pressure wash as specified in Part 3 herein to clean the surface.
  - 2. Remove minor rust, loose paint, and surface contamination with power tools in accordance with SSPC-SP3.

3. Sand glossy surfaces with 220 grit sandpaper.
  4. Feather the existing coating at transitions between the existing coating and the bare steel.
- C. Heavily Corroded Steel and Steel-to-Ground Interface - Exterior:
1. Remove dust, dirt buildup, grease, oil, mold, mildew, chalk, dirt, and surface debris. Pressure wash as specified in Part 3 herein to clean the surface.
  2. Spot-remove extensive rust and rust scale to bright metal by power tool in accordance with SSPC-SP15.
  3. Repair holes as indicated on Drawings by welding and grinding.
  4. Clean heavily corroded steel at the ground interface (steel that is in contact with an at-grade surface such as concrete or asphalt to 12 inches above grade, or to the top of corroded area, whichever is greater. Within this area, remove corrosion, mill scale, and coatings by power tool cleaning in accordance with SSPC-SP15.
  5. Feather the existing coating at transitions between the existing coating and the bare steel.
- D. Steel - Interior:
1. Remove dirt, dust, grease, oil, and other surface interference material by washing and scrubbing.
  2. Remove rust and loose paint with power tools in accordance with SSPC-SP3.
  3. Degloss surface with a scouring pad such as Heavy Duty Scour Pad, Non-Scratch Scour Pad, or equivalent by Scotch-Brite.
  4. Feather the existing coating at transitions between the existing coating and the bare steel.
- E. Galvanized Steel - Exterior:
1. Remove dust, dirt buildup, grease, oil, mold, mildew, chalk, dirt, and surface debris. Pressure wash as specified in Part 3 herein to clean the surface.
  2. Remove loose coating, corrosion, deteriorated steel, and zinc salts by power tool in accordance with SSPC-SP3. Feather the edges of the existing coating around each cleaned spot.
  3. Sand glossy surfaces with 220 grit sandpaper.
  4. Apply an MPI 25 cleaning/etching solution on bare galvanizing in accordance with the manufacturer's instructions.
  5. Feather the existing coating at transitions between the existing coating and the bare galvanizing.
- F. Heavily Corroded Galvanized Steel and Steel-to-Ground Interface - Exterior:
1. Remove dust, dirt buildup, grease, oil, mold, mildew, chalk, dirt, and surface debris from areas shown on the Drawings to be Heavy Corrosion. Pressure wash as specified in Part 3 herein to clean the surface.
  2. Spot-remove deteriorated steel, rust and rust scale to bright metal by power tool in accordance with SSPC-SP15.
  3. Repair holes with new metal.
  4. Clean heavily corroded galvanized steel from the ground interface (in contact with an at-grade surface such as concrete or asphalt) to 6 inches above grade, or to the top of corroded area, whichever is greater. Clean to bright metal by power tool in accordance with SSPC-SP15, allowing intact galvanizing to remain. After power tool cleaning, treat bare galvanizing with an MPI 25 cleaning/etching solution.
  5. Feather the existing coating at all transitions between the existing coating and the bare galvanizing.
- G. Galvanized Steel - Interior:
1. Remove dirt, dust, grease, oil, and other surface interference material by washing and scrubbing.
  2. Remove deteriorated galvanized steel, rust, and loose paint with power tools in accordance with SSPC-SP3.
  3. Degloss surface with a scouring pad such as Heavy Duty Scour Pad, Non-Scratch Scour Pad, or equivalent by Scotch-Brite.
  4. Apply an MPI 25 cleaning/etching solution on bare galvanizing in accordance with the manufacturer's instructions.
  5. Feather the existing coating at transitions between the existing coating and the bare galvanizing.
- H. Standing Seam Metal – Existing to be Painted:
1. Pressure wash as specified in Part 3 herein to remove dust, dirt buildup, grease, oil, mold, mildew, and chalk..
  2. Remove loose coating with a pressure washer or power tools to bare metal.
  3. Remove surface-mounted snow guards, if present, and re-install upon completion of work.
  4. Sand the exiting coating and substrate with 120-220 grit sandpaper to a minimum surface profile (roughness) of 1.0 mil for adhesion of the primer.
  5. Solvent wipe the substrate to remove remaining dust and residue.

- I. Painted Masonry – Exterior - Total Coating Removal:
1. On masonry shown on the Drawings to receive urethane coating, and for masonry indicated for Total Coating Removal, remove 90 – 95% of the coating per block or per each 128 square inch area of masonry wall to be repainted.
  2. Use the least invasive abrasive media. Use one or both of the following methods according to equipment and project manufacturer’s instructions:
    - a. Chemical stripping: Use Smart Strip PRO by Dumond Chemicals or Back to Nature Ultra-Strip by Sunnyside Corporation. Minimize the introduction of additional water into the masonry by working from top of wall to bottom. Repeat applications if necessary to reach complete removal.
    - b. Media blasting:
      - 1) Dry abrasive blast cleaning.
      - 2) Wet abrasive blast cleaning.
      - 3) Vapor blasting.
  3. Verify that removal method is accepted by authorities having jurisdiction.
  4. Verify that removal method is suited for climate and weather conditions in project location.
  5. Use a removal method that is best suited to retain the texture and roughness of the surface before cleaning.
  6. Do not use removal methods that result in a surface that is substantially different or rougher than the appearance of the approved test sample in Part 1 herein.
  7. Allow the surface to dry before applying new coatings. Prior to painting, verify dryness by testing in accordance with the manufacturer’s instructions and the meter and plastic sheet methods as specified in Part 3 herein.
- J. Painted Masonry – Exterior – Cleaning and Removal of Loose Coating:
1. On masonry shown on the Drawings to receive Loose Coating Removal, remove loose paint, chalk, efflorescence, oil, grease and surface contamination by pressure washing as specified in Part 3 herein.
  2. Remove loose paint edges or “flags.” Scrape edges to a point of tight adherence. Sand or apply a deglossing agent to high-gloss surfaces.
  3. On scored block, grind sags, drips and bridges of existing coating covering the face of the scores.
  4. If the degree of cleaning or surface texture differs from the approved test sample for Removal of Loose Coating in Part 1 herein, obtain Owner’s Construction Manager’s acceptance of the cleaned surface before proceeding.
  5. Allow the surface to dry before applying new coatings. Prior to painting, verify dryness by testing in accordance with the manufacturer’s instructions and the meter and plastic sheet methods as specified in Part 3 herein.
- K. Painted Masonry – Interior (to Receive Overcoat):
1. Remove dirt, dust, grease, oil, and other surface interference material by washing and scrubbing.
  2. Sand high-gloss surfaces.
  3. Feather the existing coating at transitions between the existing coating and the bare steel.
  4. Spot apply primer or block filler to areas prepared to bare substrate.
- L. Concrete Floors:
1. Mask floor surfaces that will not receive coating.
  2. Remove visible grease and oil deposits by detergent or solvent cleaning.
  3. Remove curing compound and sealers with solvents, commercial paint strippers, power tool cleaning, or fully contained abrasive blast cleaning.
- M. Exterior Insulation and Finish System (EIFS):
1. Pressure wash the surface with a 600 psi nozzle pressure with a fan tip to avoid damaging the EIFS.
  2. Supplement pressure washing with hand scrubbing and detergent cleaning as necessary to remove chalk, surface interference material, and loose coating.
  3. Allow the surface to dry before applying new coatings. Prior to painting, verify dryness by testing in accordance with the manufacturer’s instructions and the meter and plastic sheet methods as specified in Part 3 herein.
- N. Wood:
1. Remove surface contamination by washing with a cleaning solution, scraping, sanding, and scrubbing to remove dirt, pollutants, mildew, deteriorated wood, and surface interference material.
  2. Allow to dry and apply patching material recommended by the coating manufacturer to fill cracks, nail holes, and other imperfections. Sand the patched areas smooth after drying.

3. Scrape and clean small, dry, seasoned knots and apply a thin coat of knot sealer recommended by the coating manufacturer before applying prime coat.
4. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood filler. Sand smooth when dry.
5. Prime, stain, or seal wood required to be field painted immediately upon delivery to site. Prime edges, ends faces, undersides, and backsides of such wood, including cabinets and counters.
6. Seal tops, bottoms, and cut-outs with a heavy coat of sealer recommended by the coating manufacturer immediately upon delivery to the site.
7. Allow the surface to dry before applying new coatings. Prior to painting, verify dryness by testing in accordance with the manufacturer's instructions and the meter and plastic sheet methods as specified in Part 3 herein

O. Gypsum Board:

1. New Gypsum Board:
  - a. Fill minor defects with filler compound. Spot prime defects after repair.
  - b. If shown on Drawings to receive textured finish, prepare gypsum board surfaces with textured coating specified in Section 09250.
  - c. Exterior Gypsum Board Sheathing: Exterior gypsum board sheathing to receive a paint finish shall be prepared for painting with joint treatment and skim coating as specified in Section 09250.
2. Previously Painted Gypsum Board:
  - a. Remove loose paint and feather the edges to create a smooth transition.
  - b. Remove surface dust and debris.

- P. Existing Composite Overhead Sectional Doors: Prepare surface as recommended by manufacturer. Surface shall be clean and dull before painting. [Thoroughly wash with an abrasive cleanser or wash and dull by sanding.]

### 3.4 APPLICATION

- A. Apply paint to surfaces free of dirt, rust, scale, grease, moisture, scuffed surfaces, and conditions otherwise detrimental to formation of a durable paint film.
- B. After cleaning and prior to painting, determine surface and subsurface moisture of non-metal substrates in compliance with the manufacturer's instructions and the following methods:
  - a. Radio frequency and conductivity moisture meter testing with results in the green range for conductivity and the yellow range or below for radio frequency.
  - b. Plastic sheet testing in accordance with ASTM D 4263 to determine the presence of capillary moisture. Levels are acceptable when dry on the plastic and the block.
- C. Mixing and Thinning:
  1. Mix coatings in clean containers in accordance with the manufacturer's published instructions.
  2. Remove skins on acrylic coatings prior to mixing. If mixed into the coating, remove skin residue by straining prior to use.
  3. Stir paint materials as necessary during use to maintain the consistency.
  4. Use only products within shelf life. Apply multi-component materials prior to expiration of the pot life.
- D. Apply coating systems specified in the Painting Schedule hereinafter for the corresponding surface.
- E. Touch up shop-applied prime coats where damaged or bare. Use the same primer applied in the shop.
- F. Apply paint products and use application procedures designated by the manufacturer's published instructions for the particular application and substrate.
- G. Apply each coat in the Dry Film Thickness (DFT) specified which represents the minimum Dry Film Thickness in mils per coat. Apply each coat to uniform coverage. Avoid excessive thickness that results in runs, sags, and solvent voids in the film.
- H. Allow drying time between coats as recommended by the manufacturer.



- I. Surfaces, including edges, corners, crevices, welds, and exposed fasteners shall receive minimum dry film thickness equivalent to that of flat surfaces.
- J. Block Fillers: Apply block fillers to concrete masonry at rate to provide complete coverage with pores filled.
- K. Prime Coats: Before application of finish coats, apply a prime coat of material as scheduled. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to assure a finish coat with no burn through or other defects due to insufficient sealing.
- L. Pigmented (Opaque) Finishes: Completely cover to provide an opaque, smooth surface of uniform finish, color, appearance and coverage. Apply additional coats if shadow through of underlying coats or substrate is visible. Cloudiness, spotting, laps, brush marks, runs, sags or other surface imperfections will not be acceptable.
- M. Masonry
  - 1. General:
    - a. Concrete masonry unit walls shall have been installed at least 21 days prior to coating application.
    - b. Begin system application at rear of building and work toward front. Begin system application at top of wall and work down. Begin application of system in the presence of Manufacturer's Technical Representative.
    - c. Apply coatings in accordance with manufacturer's recommendations.
    - d. Apply cold weather coatings at surface and ambient temperatures at or above manufacturer's recommended application temperatures and rising.
  - 2. Block Filler:
    - a. Apply using brush, roller, or spray as recommended by the manufacturer. For spray application, use airless equipment and back roll material into voids of substrate. Back brush the top edges of block and the scores of scored block to assure complete coverage.
    - b. Comply with manufacturer's published instructions for application rate appropriate for profile, texture, and porosity of substrate to achieve the specified DFT.
  - 3. Coating:
    - a. Allow block filler to dry a minimum of 24 hours before proceeding with subsequent coating.
    - b. Apply material by brush, roller, or spray as recommended by manufacturer. Back roll sprayed material. Back brush the top edges of block and the scores of scored block to assure complete coverage. Cross roll roller-applied material. Finish material with brush and roller strokes in one direction.
    - c. Prior to applying the first finish coat, confirm that the block filler coating is cleaned according to the surface preparation requirements specified herein.
    - d. Prior to applying subsequent finish coats, confirm that the former coating is cleaned according to the surface preparation requirements specified herein
    - e. Apply all coats to the minimum dry film thickness (DFT) specified in the Painting Schedule.
    - f. Provide a finish coat with no pinholes, cloudiness, spotting, laps, brush marks, runs, sags, or shadow through.
    - g. Match color and sheen of approved coating field samples.
- N. Pigmented Waterproofing Coatings for Masonry Wall Caps:
  - 1. Apply a specialized coating system as specified in the Drawings and Paint Schedule. Match the existing color of the cap.
    - a. Epoxy/Urethane – Prime with one coat of specified primer per manufacturer's instructions. When primer is cured, apply two coats of finish coat specified per manufacturer's instructions.
    - b. Cement-based – Brush onto the bare surface to achieve the manufacturer's DFT (dry film thickness) recommendations. Stripe-coat corners and edges.
  - 2. Apply waterproofing coating to the top and vertical sides of painted wall caps. Maintain a continuous seal between the waterproofing coating and the finish coating on the vertical sides to 1" below the cap. When waterproof coating has cured, apply the finish coating over the waterproof coating up to the bottom of the cap.

### 3.5 MECHANICAL AND ELECTRICAL EQUIPMENT

- A. Replace identification markings on mechanical or electrical equipment when painted over or spattered.

- B. Where exposed piping, conduit, and electrical equipment are to be painted, paint color and texture shall match adjacent surfaces.
- C. Paint both sides and edges of plywood backboards for electrical equipment prior to installation.
- D. Pre-paint gas piping prior to installation. Touch up paint after installation to repair damage. Colors shall be as follows:
  1. Exterior Piping on Roof (Yellow): P5, OSHA Standard "Safety Yellow."
  2. Interior Piping in Receiving and Stockroom Areas (Yellow): P5, OSHA Standard "Safety Yellow."
  3. Piping in all Other Areas: Color to match adjacent surfaces.

### 3.6 FIELD QUALITY CONTROL

- A. Inspect painting and coating application for scheduled material, color, sheen, specified thickness (WFT during application and DFT), and coverage.
- B. Coatings Application:
  1. Maintain schedule of application of system in field office for Owner's review.
  2. Conduct the following inspections and tests each day, as applicable. The results shall be documented and made available to the Owner's Construction Manager upon request.
    - a. Ambient conditions during the work (air temp, surface temp, relative humidity, dew point).
    - b. Quality of surface preparation on each item prepared (e.g., cleanliness and roughness, removal of chalk and loose paint, removal of biological growth, de-glossing, pressure washing, power tool cleaning, etc.).
    - c. Moisture content of cementitious surfaces prior to painting.
    - d. Paint being applied (product names and locations applied).
    - e. Methods of application (spray, brush, roll, back-rolling, etc.).
    - f. Wet film thickness of the coatings applied as measured at a minimum of 5 spots per 100 square feet or fraction thereof. Dry film thickness of coatings applied to metal as measured at a minimum of 5 spots per 100 square feet or fraction thereof.
    - g. Quality of application: As specified in the application requirements in Part 3 herein to be free of surface imperfections.
  3. Post-Installation Site Visit: Upon completion, Manufacturer's Technical Representative shall provide field service including site visit and observation of completed coating system installation.
    - a. Observations shall include inspection of application, color, and general compliance with specification requirements.
    - b. Compare application with sample panel.
    - c. Manufacturer's Representative shall be the same individual present at pre-construction conference
    - d. Provide a minimum one week notification for the scheduling of final inspections with the manufacturer and Owner's Construction Manager.
    - e. The Manufacturer's Technical Representative shall prepare inspection report of site visit and provide to Contractor for a closeout submittal in accordance with Section 01770.

### 3.7 MAINTENANCE OF WORK AREA

- A. As work proceeds and upon completion, remove paint where spilled, splashed, or spattered.
- B. During progress of work keep premises free from unnecessary accumulation of tools, equipment, surplus materials and debris. At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint material from the site.
- C. Collect waste, cloths, and material which may constitute a fire hazard, place in closed metal containers, and remove daily from site.
- D. Upon completion of work, leave premises neat and clean. Remove protective coverings and paint from doorknobs, floors, counter tops and other areas not requiring paint.

### 3.8 PROTECTION

- A. Protect other surfaces from paint and damage. Repair damage as a result of inadequate or unsuitable protection.
- B. Do not allow any materials, wet or dry, to enter storm drain inlets. Liquid and solids recovered shall be disposed of in accordance with regulatory requirements.
- C. Use containment to control fugitive dust and debris from contaminating surround property. Protect customers and associates from airborne dust and abrasive media.
- D. If chemical strippers are used, use plastic, tape, or other means to protect areas that are not to be stripped. This includes prefinished metal such as gutters and downspouts, aluminum trim and storefront and glass. Plastic or covers used to protect landscaping should not be left in place so long that the plants die or turn brown.
- E. Use protective coverings, shields, masking, etc. to protect adjacent work, surfaces, materials, merchandise displays, merchandise inventory, shopping carts, customer vehicles, vegetation, etc. from soiling or damage from the cleaning and painting work, including removed paint chips, paint drips, spills, and overspray. Maintain protective coverings throughout cleaning and painting operations. Protect the following items from water damage during pressure washing and overspray during application.
  - 1. Automatic door sensors
  - 2. Exterior light sensors
  - 3. Store mounted electronic devices, switches, receptacles and security components.
  - 4. Fire Protection sprinklers

### 3.9 PAINT COLOR SCHEDULE

- A. Provide colors as applicable as shown or scheduled on the drawings or to match existing scheme.

Mark	Color Number/Name By Sherwin Williams unless otherwise shown.
P2	SW# 7664 Steely Gray
P3	SW# 6510 Loyal Blue
P5	OSHA Standard Safety Yellow
P6	SW# 6811 Honorable Blue
P7	Pittsburgh Paints #2537 Blossom White
P8	SW# 7005 Pure White
P9	SW# 7042 Shoji White. Apply over textured coating specified in Section 09250
P10	SW# 6061 Tan Bark
P11	SW# 6115 Totally Tan
P12	SW# 6112 Biscuit
P13	SW# 6454 Shamrock
P14	SW# 6677 Goldenrod
P15	SW# 7669 Summit Gray
P16	SW# 7074 Software
P17	SW# 7689 Row House Tan
P18	SW# 7507 Stone Lion
P19	SW# 6094 Sensational Sand
P20	SW# 7036 Accessible Beige
P21	SW# 4081 Safety Red
P22	Pantone Color System 286 C.
P23	SW# 7005 Pure White
P24	SW# 2819 Downing Slate
P25	SW# 0045 Antiquarian Brown

Mark	Color Number/Name By Sherwin Williams unless otherwise shown.
P26	SW# 6080 Utterly Beige
P27	SW# 6103 Tea Chest
P28	SW# 6124 Cardboard
P29	SW# 6420 Queen Anne's Lace
P30	SW# 2018 Pink Beige
P31	SW# 2016 Canberra
P32	SW# 6387 Compatible Cream
P33	SW# 6385 Dover White
P34	SW# 6519 Hinting Blue
P35	SW# 7071 Gray Screen
P36	SW# 6989 Domino
P37	SW# 0046 White Hyacinth
P38	SW# 6102 Portabello
P39	SW# 6122 Camelback
P40	SW# 6665 Gardenia
P41	SW# 6100 Practical Beige
P42	SW# 6372 Inviting Ivory
P43	SW# 6667 Afterglow
P44	SW# 6666 Enjoyable Yellow
P45	SW# 0044 Hubbard Squash
P46	SW# 7006 Extra White
P47	SW# 0051 Classic Ivory
P48	SW# 7722 Travertine
P49	SW# 7019 Gauntlet Grey
P50	SW# 6382 Ceremonial Gold
P51	SW# 6662 Summer Day

Mark	Color Number/Name By Sherwin Williams unless otherwise shown.
P52	SW# 6334 Flower Pot
P53	SW# 6810 Lupine
P54	SW# 6432 Garden Spot
P55	SW# 6285 Grape Harvest
P56	SW# 6500 Open Seas
P57	SW# 2848 Roycroft Pewter
P58	SW# 6006 Black Bean
P59	SW# 0077 Classic French Gray
P60	SW# 6053 Reddened Earth
P61	SW# 6079 Diverse Beige
P62	SW# 6172 Hardware.
P63	SW# 2340 Buff
P64	SW# 6332 Coral Island
P65	SW# 6378 Crisp Linen
P66	SW# 6085 Simplify Beige
P67	SW# 6114 Bagel
P68	SW# 6113 Interactive Cream
P69	SW# 6340 Baked Clay.
P70	SW# 2838 Polished Mahogany
P71	SW# 7051 Analytical Gray.
P72	SW# 6658 Welcome White.
P73	SW# 6214 Underseas
P74	SW# 6659 Captivating Cream
P75	SW# 2804 Renwick Rose Beige
P76	Custom Match # 076 Walmart Medium Blue
P76A	Pantone Color System 285C
P76(U)	Custom Match # 076 Walmart Medium Blue (Urethane)
P77	SW# 6087 Trusty Tan
P78	SW# 2445 Creamy White
P79	SW# 6359 Sociable
P80	SW# 6060 Moroccan Brown
P81	SW# 6258 Tricorn Black
P82	SW# 7679 Golden Gate
P83	SW# 6082 Cobble Brown
P84	SW# 7641 Collonade Gray
P85	SW# 2823 Rookwood Clay
P86	SW# 6356 Copper Mountain
P87	SW# 2807 Rookwood Medium Brown
P88	SW# 7517 China Doll
P89	SW# 6062 Rugged Brown
P90	SW# 7502 Dry Dock
P91	SW# 7513 Sanderling
P92	SW# 7536 Bittersweet Stem
P93	SW# 7538 Tamarind
P94	SW# 7694(EXT) Exterior Dromedary Camel
P95	SW# 7702 Spiced Cider
P96	SW# 7705 Wheat Penny
P97	SW# 7710 Brandy Wine
P98	SW# 7718 Oak Creek
P100	SW# 6521 Notable Hue
P101	SW# 6904 Gusto Gold

Mark	Color Number/Name By Sherwin Williams unless otherwise shown.
P102	SW# 7518 Beach House
P103	SW# 6095 Toasty
P104	SW# 6867 Fireworks
P105	SW# 6526 Icelandic
P106	SW# 6675 Afternoon
P107	SW# 7698 Straw Harvest
P108	SW# 6991 Black Magic
P109	SW# 7506 Loggia
P110	SW# 7043 Worldly Gray
P111	SW# 7531 Canvas Tan
P112	SW# 6676 Butterfield
P113	SW# 6674 Jonquil
P114	SW# 7720 Deer Valley
P115	SW# 6076 Turkish Coffee
P116	Custom Match #116 Walmart Neighborhood Market Green
P116A	Pantone Color System 368 C
P117	SW# 6429 Baize Green
P118	SW# 6720 Paradise
P119	SW# 6895 Laughing Orange
P120	SW# 6887 Navel
P121	SW# 6905 Goldfinch
P122	SW# 6413 Restoration Ivory
P123	SW# 6380 Humble Gold
P124	SW# 7522 Meadowlark
P125	SW# 6923 Festival Green
P126	SW# 6885 Knockout Orange
P126(U)	SW# 6885 Knockout Orange (Urethane)
P127	SW# 7719 Fresco Cream
P128	SW# 7510 Chateau Brown
P129	SW# 6683 Bee
P130	SW# 6922 Outrageous Green
P130(U)	SW# 6922 Outrageous Green (Urethane)
P131	SW# 7102 White Flour
P133	Pantone Color System 287 C
P134	SW #7015 Repose Gray
P135	SW #7017 Dorian Gray
P139	SW #6710 Melange Green
P140	SW #7004 Snowbound
P150	SW #7072 Online
P159	SW# 7571 Casa Blanca
P161	SW #7609 "Georgian Revival Blue"
P162	SW# 7674 Peppercorn
P163	SW# 6939 Turquish
P164	SW# 6002 Essential Gray
P165	SW# 6105 Divine White
P166	SW# 6766 "Mariner"
P167	SW #6868 Real Red
P200	SW Custom Walmart Color "Duranodic Bronze" Order #7248-0044642
P201	SW #7668 March Wind
P202	SW #7670 Gray Shingle

## 3.10 PAINT SHEEN SCHEDULE

## A. Gloss:

1. Exterior metal surfaces.
2. Exterior hollow metal doors and frames (inside and outside surfaces).
1. Exterior Insulation and Finish System to receive urethane paint.
2. Exterior CMU walls to receive urethane paint.
3. Roof hatch (inside and outside surfaces).
4. Interior & exterior pipe bollards shown to be painted.
5. Interior & exterior metal railings.
6. Metal stair stringers and handrails.
7. Metal fixed ladders and cages.
8. Exterior composite overhead sectional door surface if shown to be painted.

## B. Semi-gloss:

1. Interior hollow metal doors and frames.
2. Interior hollow metal window frames.
3. Wood trim or simulated wood trim scheduled to be painted.
4. Coiling metal counter doors, except aluminum coiling counter shutters at Pharmacy.
5. Toilet gypsum board ceilings.
6. All walls within Pharmacy and exterior face of Pharmacy front wall (sales floor side).
7. Interior columns surfaces to receive epoxy finish.

## C. Eggshell:

1. All surfaces to be painted where sheen is not otherwise specified.

## D. Flat:

1. Exterior Insulation and Finish System unless noted otherwise.
2. Exterior gypsum board ceilings.
3. Exterior concrete.
4. Exterior CMU walls unless noted otherwise.

## 3.11 ITEMS TO BE PAINTED SCHEDULE

## A. Paint surfaces as shown or scheduled on the drawings including, but not limited to, the following items.

1. Exterior: Paint existing exterior surfaces and new exterior surfaces as shown and noted on the Drawings, including, but not limited to:
  - a. Hollow metal doors and frames.
  - b. Metal opening frames and trim.
  - c. Exterior Insulation and Finish System.
  - d. Metal flashing and downspout (surfaces exposed from ground level).
  - e. Metal gutters (surfaces exposed to view from ground level).
  - f. Metal fascias (vertical face).
  - g. All surfaces of metal parapet cap.
  - h. Parapet walls, roof side (where roofing does not occur).
  - i. Pipe bollards where shown to be painted.
  - j. Metal railings.
  - k. Roof hatch.
  - l. Satellite dish support (from bottom of deck to top of support).
  - m. Exposed rooftop refrigeration and HVAC support framing.
  - n. Shop primed metal canopies and canopy supporting steel structure.
  - o. Overhead doors if shown.
  - p. Concrete masonry.
  - q. Paving graphics and markings.
  - r. Exposed piping and conduit, hangers and supports.

2. Interior: Paint existing and new interior surfaces as indicated on the Drawings including, but not limited to:
  - a. Hollow metal doors and frames.
  - b. Hollow metal window frames.
  - c. Overhead coiling doors.
  - d. Metal opening frames and trim.
  - e. Gypsum wallboard.
  - f. Exposed concrete unit masonry.
  - g. Pipe Bollards shown to be painted.
  - h. Metal railings.
  - i. Exposed plywood.
  - j. Plywood wainscot, if shown to be painted.
  - k. Exposed mechanical ductwork, hangers and supports (if scheduled to be painted).
  - l. Exposed piping and conduit, hangers and supports (where exposed to Customer view if exposed structure is painted).
  - m. Exposed fire protection piping, hangers and supports (where exposed to Customer view if exposed structure is painted).
  - n. Exposed overhead structure including joists, girders, bridging, miscellaneous metal fabrications and deck (if scheduled to be painted).
  - o. Exposed structure columns.
  - p. Floor striping, graphics, and markings as shown or noted.
  - q. Metal stair stringers and handrails.
  - r. Exposed wood trim.

B. Do not paint the following Items:

1. Aluminum, brass, bronze, stainless steel, and chrome plated steel.
2. Pre-finished items, such as toilet compartments, acoustical ceiling materials, mechanical, and electrical equipment or factory finished metal panels and trim, unless otherwise shown or specified.
3. UL, FM, and other code-required labels.
4. Equipment identification, performance rating, and name plates.
5. Finish hardware.
6. Fire Suppression sprinklers.
7. Low voltage cabling (i.e. fire alarm, voice, data, EMS, audio, security) not in conduit.

3.12 PAINTING SCHEDULE

- A. Apply paint to the substrate surface scheduled as applicable as specified or as shown on the drawings in accordance with the following:

Surface	Sheen	1st Coat	DFT (mils) (per coat)	VOC (g/l)	2nd and 3rd Coats	DFT (mils) (per coat)	VOC (g/l)
<b>EXTERIOR PAINTING SCHEDULE</b>							
<b>Ferrous Metal</b>	Gloss	ProCryl Universal Primer B66-310	3.0	100	2 Coats: Pro Industrial Zero VOC Enamel, B66-600 Series	4.0	0
<b>Ferrous Metal</b> <b>New exposed rooftop refrigeration and HVAC support framing.</b>				100		2-4	<100
<b>Ferrous Metal</b>  Existing roof	Gloss	All States except CA: <u>Epolon II</u> Rust Inhibitive Epoxy Primer  State of CA:	5.0  5.0-	300  <100	2 Coats: WB Acrolon 100 Water Based Urethane B65-720, B65V720	2-4	<100

Surface	Sheen	1st Coat	DFT (mils) (per coat)	VOC (g/l)	2nd and 3rd Coats	DFT (mils) (per coat)	VOC (g/l)
mounted equip framing to remain		Macropoxy 646-100, B58W620, B58V620	10.0				
<b>Ferrous and Galvanized Metal</b>  Specialized System for heavy corrosion, TLE steel, and steel (galvanizing)-to-ground interface.  Waterproofing for Wall Caps	Gloss	MPI #108 Macropoxy 646 Fast Cure Epoxy B58W00610	5.0-10.0	250	MPI # 72 (2 coats for masonry wall caps)  Acrolon 218 HS B65W611/B65V600	3.0-6.0	300
<b>Ferrous and Galvanized Metal -TLE</b>	Gloss	Macropoxy 920 Pre-Prime  MPI #108 Macropoxy 646 Fast Cure Epoxy B58W00610	1.5-2.0  5.0-10.0	<340  250	MPI # 72  Acrolon 218 HS B65W611/B65V600	3.0-6.0	300
<b>Prefinished Metal Panels and Trim</b>  If shown to be re-painted	Low Sheen	Bond-Plex Water based Acrylic B71-200 Series	4.0	48	1 Coat: Bond-Plex Water based Acrylic B71-200 Series	4.0	48
<b>Galvanized Trim</b>	Semi-gloss	ProCryl Universal Primer B66-310	3.0	100	2 Coats: Pro Industrial Zero VOC Enamel, B66-600 Series	4.0	0
<b>Nonferrous and Galvanized Metal, including existing ornamental metal fencing</b>  If shown to be re-painted	Semi-gloss	ProCryl Universal Primer B66-310	3.0	100	2 Coats: Pro Industrial Zero VOC Enamel, B66-600 Series	4.0	0
<b>Standing Seam</b>	Gloss	Section 09970 Heat Reflective Metal Roof Coating					
<b>Concrete Masonry</b>  <b>New construction</b>  <b>Or</b>  <b>Existing construction with full removal</b>	Flat	Loxon Block Surfacers, A24W00200  NOTE: For Concrete, Stucco, or Brick, use Loxon Concrete & Masonry Primer	8.0	85	2 Coats: A-100 Exterior Latex Finish, A6-100 Series	1.3	49
<b>Concrete Masonry</b>  <b>New Construction</b>  <b>Or</b>  <b>Existing construction</b>	Flat	<b>50 degrees F or above:</b> Heavy Duty Block Filler B42W46  <b>Below 50 degrees F:</b> Loxon Block Surfacers, A24W00200 (Above	8.0  8.0	100  85	2 Coats: Conflex XL High Build Elastomeric, A5-400  2 Coats: UltraCrete Solvent Borne Masonry Coating, B46 Series	6-7.5  6.8	97  400

Surface	Sheen	1st Coat	DFT (mils) (per coat)	VOC (g/l)	2nd and 3rd Coats	DFT (mils) (per coat)	VOC (g/l)
<b>with full removal</b> Within 5 miles of any Coast - to receive Elastomeric		35°F)  NOTE: For Concrete, Stucco, or Brick, use Loxon Concrete & Masonry Primer			(Above 20° F)		
<b>Concrete Masonry</b>  <b>New Construction</b>  <b>Or</b> <b>Existing construction with full removal</b>  Shown on Drawings to receive Urethane	Gloss	Heavy Duty Block Filler B42W46	18.0	100	2 Coats: Pro Industrial WB Acrolon 100 Water Based Urethane B65-720	2.0-3.6	<100
<b>Concrete Masonry, Existing Construction</b>  Within 5 miles of any Coast - Elastomeric	Flat	<b>50 degrees F or above:</b> Loxon Block Surfacer, A24W200 (for touch up of bare block after power washing).  <b>Below 50 degrees F:</b> Loxon Block Surfacer, A24W200 (Above 35°F - for touch up bare block after power washing).	8.0  8.0	85  85	1 Coat: UltraCrete Solvent Borne Masonry Coating, B46 Series  1 Coat: UltraCrete Solvent Borne Masonry Coating, B46 Series (Above 20° F)	6.0-8.0  6.0-8.0	400  400
<b>Concrete Masonry, Existing Construction</b>  (35 degrees F and above)	Flat	1 coat: Loxon Block Surfacer A24W200 on bare block (Above 35°F).  1 Coat: Loxon Conditioner (white) A24-1100 on previously painted surface (above 50°F).	8.0  1.0	85  <50	2 Coats: A100 Exterior Latex, A6-100 Series	1.5	49
<b>Waterproofing for wall caps</b>	Flat	Thoro ThoroSeal with ACRYL 60 admixture	25		Thoro ThoroSeal with ACRYL 60 admixture	15	
<b>Concrete Masonry, Existing Construction</b>  (Previously coated with gloss urethane)	Flat	1 Coat: DTM Bonding Primer B66A50 (above 50°F).	2.0	<100	2 Coats: A100 Exterior Latex, A6-100 Series	1.5	49
<b>Precast Concrete Panels</b>	Flat	Loxon Concrete and Masonry Primer, A24W08300	3.2	96	2 Coats: A-100 Exterior Latex Finish, A6-100 Series	1.3	49
<b>Exterior Insulation and Finish System, New Construction</b>	Flat	1 coat: A-100 Exterior Latex Finish, A6-100 Series	1.5	49	1 Coat: A100 Exterior Latex, A6-100 Series	1.5	49



Surface	Sheen	1st Coat	DFT (mils) (per coat)	VOC (g/l)	2nd and 3rd Coats	DFT (mils) (per coat)	VOC (g/l)
					(Apply a second coat if coverage is incomplete or if application appears splotchy or shadow-through.)		
<b>Exterior Insulation and Finish System, New Construction</b>  Shown on Drawings to receive Urethane	Gloss	Loxon Concrete and Masonry Primer, A24W08300	3.2	96	2 Coats: Pro Industrial WB Acrolon 100 Water Based Urethane B65-720	2.0-3.6	<100
<b>Exterior Insulation and Finish System, Existing construction</b>	Flat	1 Coat: Loxon Conditioner (white) A24-1100 on previously painted surface (above 50°F).	1.0	<50	1 Coat: A100 Exterior Latex, A6-100 Series  (Apply a second coat if coverage is incomplete or if application appears splotchy or shadow-through.)	1.5	49
<b>Exterior Insulation and Finish System, Existing Construction</b>  Shown on Drawings to receive Urethane	Gloss	Loxon Concrete and Masonry Primer, A24W08300	3.2	96	2 Coats: Pro Industrial WB Acrolon 100 Water Based Urethane B65-720	2.0-3.6	<100
<b>Exterior Insulation and Finish System, Existing Construction</b>  (Previously coated with gloss urethane)	Flat	1 Coat: DTM Bonding Primer B66A50 (above 50°F).	2.0	<100	2 Coats: A100 Exterior Latex, A6-100 Series	1.5	49
<b>Fiber Cement Siding</b>	Flat	Loxon Exterior Acrylic Masonry Primer, A24W300	3.2	97	2 Coats: A-100 Exterior Latex Finish, A6-100 Series	1.3	49
<b>Exposed Timber</b>  Purlins, Plywood, Wood	Semi-Transparent Stain	WoodScapes Polyurethane Stain A15T5	1.3	79	1 Coat: WoodScapes Polyurethane Stain A15T5	1.3	79
<b>Exposed Timber</b>  Purlins, Plywood, Wood	Opaque Stain	1 Coat: WoodScapes Latex Stain A15W51	1.3-2.6	<100	1 Coat: WoodScapes Latex Stain A15W51	1.3-2.6	<100
<b>Gypsum Board</b>  Ceiling	Flat	A-100 Exterior Latex Primer, B42W43	1.4	87	2 Coats: A-100 Exterior Latex Finish, A6-100 Series	1.3	49
<b>Concrete Pavement</b>	Eggshell	Set fast Acrylic Waterborne Traffic Marking	8.5	100	1 Coat: Set fast Acrylic Waterborne Traffic	8.5	100

Surface	Sheen	1st Coat	DFT (mils) (per coat)	VOC (g/l)	2nd and 3rd Coats	DFT (mils) (per coat)	VOC (g/l)
		Paint, TM 226/227			Marking Paint, TM 226/227		
<b>INTERIOR PAINTING SCHEDULE</b>							
<b>Ferrous Metal</b>  Except as otherwise scheduled	Gloss	ProCryl Universal Primer B66-310	2.0	100	All States except CA: 2 Coats: Pro Mar 200 Interior Latex Gloss Enamel, B21W200 State of CA:  2 Coats: Solo Gloss Low VOC Enamel, B21WJ Series	1.5  1.6	143  49
<b>Ferrous Metal</b>  Except as otherwise specified	Semi-gloss	ProCryl Universal Primer B66- 310	2.0	100	2 coats: ProMar 200 Zero VOC Interior Latex Semi-Gloss Enamel, B31- 2600 Series	1.6	0
<b>Ferrous Metal</b>  Dryfall system over shop primed steel – overhead structure	Flat	Waterborne Acrylic Dryfall, B42 Series  Touch up prime welds, bare spots, blemishes, and scratches with ProCryl Universal Primer B66-310	2.0	39	NA	NA	NA
<b>Ferrous Metal</b>  Dryfall system over unprimed steel - overhead structure	Flat	ProCryl Universal Primer B66-310	2.0	100	1 coat: Waterborne Acrylic Dryfall, B42 Series	2.0	39
<b>Ferrous Metal</b>  Columns and Hollow Metal Door Frames as shown on Drawings to receive epoxy	Semi-gloss	All States except CA: <u>Epolon II</u> Rust Inhibitive Epoxy Primer B67W400, B67A400, B67A400  State of CA: <u>Macropoxy</u> 646- 100, B58W620, B58V620	4.0  5.0-10.0	300  100	1 coat: WB Acrolon 100 Water Based Urethane B65-720, B65V720	2.0-4.0	<100
<b>Galvanized Metal</b>  Exposed Ductwork	Semi-gloss	ProCryl Universal Primer B66-310	2.0	100	2 coats: ProMar 200 Zero VOC Interior Latex Semi-Gloss Enamel, B31- 2600 Series	1.6	0
<b>Concrete Masonry, New Construction</b>	Gloss	Loxon Concrete and Masonry Primer, A24W08300	8.0	45	All States except CA: 2 Coats: Pro Mar 200 Interior Latex Gloss Enamel, B21W200  State of CA: 2 Coats: Solo Gloss Low VOC Enamel, B21WJ Series	1.5  1.6	143  49
<b>Concrete Masonry</b>	Gloss	ProMar 200 Zero VOC Latex Primer,	1.5	0	All States except CA: 2 Coats: Pro Mar 200 Inte-	1.5	143

Surface	Sheen	1st Coat	DFT (mils) (per coat)	VOC (g/l)	2nd and 3rd Coats	DFT (mils) (per coat)	VOC (g/l)
Previously Painted		B28W02600			rior Latex Gloss Enamel, B21W200  State of CA: 2 Coats: Solo Gloss Low VOC Enamel, B21WJ Series	1.6	49
<b>Concrete Masonry, New Construction</b>	Eggshell	Loxon Concrete and Masonry Primer, A24W08300	8.0	45	2 Coats: ProMar 200 Zero VOC Interior Latex Eggshell, B202-2600 Series	1.5	0
<b>Concrete Masonry</b> Previously Painted	Eggshell	ProMar 200 Zero VOC Latex Primer, B28W02600	1.5	0	2 Coats: ProMar 200 Zero VOC Interior Latex Eggshell, B202-2600 Series	1.5	0
<b>Gypsum Board</b>	Gloss	ProMar 200 Zero VOC Latex Primer, B28W02600	1.5	0	All States except CA: 2 Coats: Pro Mar 200 Interior Latex Gloss Enamel, B21W200  State of CA: 2 Coats: Solo Gloss Low VOC Enamel, B21WJ Series	1.5  1.6	143  49
<b>Gypsum Board</b>	Semi-gloss	ProMar 200 Zero VOC Latex Primer, B28W02600	1.5	0	2 Coats: ProMar 200 Zero VOC Interior Latex Semi-Gloss Enamel, B31-2600 Series	1.6	0
<b>Gypsum Board</b>	Eggshell	ProMar 200 Zero VOC Latex Primer, B28W02600	1.5	0	2 Coats: ProMar 200 Zero VOC Interior Latex Eggshell Enamel, B202-2600 Series	1.7	0
<b>Wood</b>	Semi-gloss	ProMar 200 Zero VOC Latex Primer, B28W02600	1.5	0	2 Coats: ProMar 200 Zero VOC Interior Latex Semi-Gloss Enamel, B31-2600 Series	1.6	0
<b>Wood</b> Exposed laminated wood roof structure	Semi-gloss	PrepRite ProBlock Interior/Exterior Latex Primer Sealer B51 Series	1.4	97	2 Coats: ProMar 200 Zero VOC Interior Latex Semi-Gloss Enamel, B31-2600 Series	1.6	0
<b>Wood</b> Transparent sealer		Wood Classics Varnish Sanding Sealer, B26V43	1.2	522	NA	NA	NA
<b>Concrete Floor Striping, Graphics and Markings</b>	Semi-gloss	Macropoxy 646-100, B58W620, B58V620	5.0-10.0	<100	Macropoxy 646-100, B58W620, B58V620	5.0-10.0	<100

END OF SECTION