

PAINTERS SPECIFICATIONS**SECTION 09920 – PAINTING****PART 1 – GENERAL****1.00 RELATED DOCUMENTS:**

Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to this section and are to be included in the execution of the work in this section.

1.01 SCOPE

A. Work included in this section: Providing all labor, materials, tools, equipment, and services necessary to complete all work of this section required to complete Contract work as shown on drawings, as specified herein, and as required by job conditions, including but not limited to:

1. Interior painting work that is specified as part of other work shall be provided in accordance with this section.
2. Interior painting work that is not specified as part of other work, shall be provided under this section.
3. Exterior painting shall be provided under this section.
4. Painting includes field painting of: gypsum board, miscellaneous and architectural metals, metal doors, metal door frames, metal pan stairs, access panels, access doors, metal guardrails, concrete, concrete and clay tile unit masonry, exposed bare and covered pipes and ducts, hangers, exposed steel and iron work (including exposed soffits of metal deck), roof accessories and hatches, and primed metal surfaces of mechanical and electrical equipment.
5. Painting also includes drawing notations that require various items and surfaces to be painted.
6. Surface preparation, priming, and finish coats specified in this section are in addition to shop priming and surface treatment specified under other sections, unless specifically stated otherwise.
7. Paint exposed surfaces whether or not colors are designated in schedules, except where a surface or material is specifically indicated not to be painted or is to remain natural. Where an item or surface is not specifically mentioned, paint the same as similar adjacent materials or

surfaces. If color or finish is not designated, the Architect will select from standard colors or available finishes.

B. Unless specifically state otherwise, do not paint prefinished items, floor surfaces, concealed surfaces, operating parts, and labels.

1. Items not to be field-painted include (but are not limited to) the following:
 - a. Curtain wall systems (Sections 08920, 08950, 08980)
 - b. Storefront; entrances (Section 08410)
 - c. Skylights (Section 07820)
 - d. Roof copings (Section 07730)
 - e. Acoustic materials
 - f. Elevator entrance doors and frames (stainless steel)
 - g. Elevator and escalator equipment
 - h. Finished mechanical and electrical equipment
 - i. Face brick; roof pavers
 - j. Toilet partitions
 - k. Light fixtures
 - l. Bronze and brass; chrome plating, stainless steel
2. Concealed surfaces not to be painted include wall or ceiling surfaces in the following generally inaccessible areas:
 - a. Foundation spaces
 - b. Ceiling spaces (above suspended ceilings)
 - c. Interior of furred areas
 - d. Utility tunnels
 - e. Interior of pipe spaces
 - f. Interior of duct shafts
 - g. Interior of elevator shafts
3. Surfaces within tenant spaces (except do paint hollow metal doors and frames); do paint gypsum board walls and ceilings.

C. Work Specified under Other Sections:

1. Color Schedule – See Finish Schedule.

1.02 DEFINITIONS

A. Paint: Coating system materials, primers, emulsions, enamels, stains, sealers, fillers, and other applied materials whether used as primer, undercoat (intermediate coat), or finish coat.

B. Flat: Paint that has a gloss level of less than 15 at 85 degrees or less than 5 at 60 degrees, in accordance with ASTM D523, and that is identified as flat on the label.

C. Eggshell (Low Gloss): Paint that has a gloss level between 15 and 20 at 60 degrees, in accordance with ASTM D523.

D. Semi-gloss: Paint that has a gloss level between 30 and 65 at 60 degrees, in accordance with ASTM D523.

1.03 SUBMITTALS

A. Product Data:

1. Submit manufacturer's technical information, label analysis, and application instructions, including recommended minimum dry film thickness, for each material proposed for use.
2. List each material and cross-reference the specific coating, finish system, and application.

B. Samples: Provide samples of each color and material to be applied, with texture to simulate actual conditions, on representative samples of the actual substrate. Leave exposed at least ½ inch (stepped) of each separate coat, including block fillers and primers. Use representative colors when preparing samples for review. Resubmit until required gloss, color, and texture are achieved.

C. Quality Assurance Submittals:

1. Certificates: Submit certifications from product manufacturers indicating that materials in accordance with referenced federal specifications; that the systems are compatible with indicated existing substrates, pre-primed surfaces (if any) and exposure; that materials comply with volatile organic compound limits, and that systems meet other requirements specified.

1.04 QUALITY ASSURANCE

A. Single-Source Responsibility: Provide primers and undercoats produced by the same manufacturer as the finish coats. Provide primers, undercoats, and finish coats that are mutually compatible.

B. Regulatory Requirements: All materials and methods used in the work of this section, whether or not specifically named herein, shall comply with the codes, rules, and regulations of all authorities having jurisdiction; including volatile organic compound laws and regulations when applicable.

C. Coordination of Work: Review other specification sections in which primers are provided to ensure compatibility of the total system for each substrate.

D. Material Quality: Provide the manufacturer's best quality paint material of the various coating types specified. Paint material containers not clearly displaying manufacturer's product identification will not be acceptable. No substitutes of approved materials without written change order from architect.

1. Proprietary names used to designate materials are not intended to imply that the products named are required, or to exclude approved equal products of other manufacturers.

2. Federal specifications establish a minimum quality level for paint materials, except where other product identification is used to raise the quality level.

E. Mock-Ups:

1. On actual wall surfaces, ceiling surfaces, and other building components, duplicate painted finishes of the prepared samples.

F. Project Conditions:

1. Environmental conditions:

- a. Apply water-based paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 50° F and 90° F. Area's will have humidity and dampness tested and metered by the applicator before being applied and a log will be kept.

- b. Apply solvent-thinned paints only when the temperature of surfaces to be painted and surrounding air temperatures are between 45° F and 95° F. Not to be thinned below manufacture viscosity limits.

1.05 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to the work site only as they are needed and can be incorporated into the work. Deliver in the manufacturer's original unopened packages and containers bearing manufacturer's name and label and the following information:

1. Product name or title of material
2. Product description (generic classification)
3. Federal specification number, if applicable
4. Manufacturer's stock number and date of manufacture
5. Contents by volume, for pigment and vehicle constituents
6. Thinning instructions
7. Application instructions
8. Volatile organic compound content
9. Color name and number

B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45° F. Maintain used containers in storage in a clean condition, free of foreign materials and residue.

PART 2 – PRODUCTS

2.01 GENERAL

A. Products: Provide the listed products or approved equal products of other manufacturers, subject to Architect's acceptance.

B. VOC Requirements: Products listed below are believed to comply with the volatile organic compound regulations. If the listed product of a manufacturer does not comply, provide an accepted equivalent product that does comply.

2.02 INTERIOR PAINT SCHEDULE – See Finish Schedule

(Usually found on the architectural blueprints and/or may be included in this section.)

PART 3 – EXECUTION

3.01 PREPARATION

A. General Procedures:

1. Remove or provide surface applied protection for hardware and hardware accessories, windows, machined surfaces, lighting fixtures, and other items in place that are not to be painted, prior to surface preparation and painting. Remove these items if necessary for complete painting of items and adjacent surfaces. Following completion of painting operations in each space or area, have items reinstalled by workers skilled in the trades involved.
2. Clean surfaces before applying paint or surface treatments. Remove

oil and grease prior to cleaning. Schedule cleaning and painting so that dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.

B. Inspection: Examine substrates and conditions under which painting will be performed for compliance with requirements for application of paint. Correct unsatisfactory conditions before starting paint application.

C. Protection:

1. Protect work of other trades, whether to be painted or not, against damage by painting. Provide masking, dropcloths, and other protection as required to ensure that paint does not damage adjacent surfaces. Correct damage by cleaning, repairing or replacing, and repainting, as acceptable to the Architect. Inspection before work is to begin for any pre-existing condition should be conducted by a field supervisor.

2. Provide WET PAINT signs to protect newly painted finishes.

3.02 APPLICATION

A. Apply paint in accordance with manufacturer's directions. Use applicators and techniques best suited for substrate and type of material being applied.

B. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.

1. Apply additional coats, at no additional cost to the Owner, when undercoats, stains, or other conditions show through final coat of paint until paint film is of uniform finish, color, and appearance. Give special attention to ensure that surfaces including edges, corners, crevices, welds, and exposed fasteners, receive a dry film thickness equivalent to that of flat surfaces.

2. Paint interior surfaces of ducts, where visible through registers or grilles, with a flat, non-specular black paint.

3. Paint flush mounted access panels, surface mounted conduit, exposed pipes and ducts, electrical panels, and other items that are not prefinished with the paint systems specified for the material being painted and having the same finish coat as the surface on which the item is mounted.

4. Paint back sides of access panels and removable or hinged covers to match exposed surfaces.

5. Finish doors on tops, bottoms, and side edges the same as face outswinging side of door.

6. Omit primer on metal surfaces that have been shop-primed and touch-up painted.

7. Omit primer on previously painted surfaces where the existing paint film is clean and firmly adhered.

C. Schedule Painting:

1. Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.

2. Allow sufficient time between successive coats to permit proper drying. Do not recoat until paint has dried to where it feels firm and does not deform or feel sticky under moderate thumb pressure and where application of another coat of paint does not cause lifting or loss adhesion of the undercoat.

D. Minimum Coating Thickness: Apply materials at not less than the manufacturer's recommended spreading rate. Provide a total dry film thickness of the entire system as recommended by the manufacturer.

E. Block Filler: Apply block fillers to concrete masonry blocks at a rate to ensure complete coverage with pores filled.

F. Prime Coats: Before application of undercoats and finish coats, apply a primer. Recoat primed and sealed surfaces where evidence of suction spots (hot spots) or unsealed areas in primer appears, to ensure a totally uniform finish coat with no burn-through, gloss variations, or other defects due to insufficient sealing.

3.03 ADJUSTING AND CLEANING

A. At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from the site.

B. Upon completion of painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping, using care not to scratch or damage adjacent finished surfaces.

C. Remove temporary protective wrappings provided by others for protection of their work after completion of painting operations.

D. At completion of construction activities of other trades, touch up and restore damaged, defaced, or soiled painted surfaces.

END OF SECTION