

SECTION 09 90 00

PAINTING

1 PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract including General and Supplementary Conditions and Division 1 specification sections apply to Work of this section.

1.2 SECTION INCLUDES

- A. Surface preparation and field application of paints and coatings.

1.3 SYSTEM DESCRIPTION

- A. Conform to applicable code for flame and smoke rating requirements for products and finishes.

1.4 SUBMITTALS

- A. Product Data: Provide data on all finishing products.
- B. Samples: Submit coating samples for selection, illustrating range of colors and textures available for each surface finishing product scheduled.

1.5 ENVIRONMENTAL REQUIREMENTS

- A. Store and apply materials in environmental conditions required by manufacturer's instructions.

1.6 EXTRA MATERIALS

- A. Provide minimum of two (2) gallons of each type and color of coating specified.

2 PART 2 PRODUCTS

2.1 MATERIALS

- A. Manufacturers: Products of one or more manufacturers are listed in Finish Schedules to establish appearance, performance and quality characteristics. Products of other manufacturers may be accepted subject to review by Architect.
 - 1. Benjamin Moore and Co.
 - 2. ICI/Dulux
 - 3. PPG Industries: Pittsburgh Paints
 - 4. Pratt and Lambert
 - 5. Sherwin Williams Co.

- B. Coatings: Ready mixed except field catalyzed coatings of good flow and brushing properties, capable of drying or curing free of streaks or sags.
- C. VOC Content: Provide coatings with low or zero VOC content to the greatest extent possible. As a minimum, comply with requirements of Green Seal GS-11:
 - 1. Non flat: 150 g/l.
 - 2. Flat: 50 g/l.
- D. Quality: Manufacturer's best quality of each type of product specified.
- E. Accessory Materials: Linseed oil, shellac, turpentine, paint thinners and other materials required to achieve the finishes specified, as recommended by coating manufacturer..

2.2 FINISHES

- A. Refer to schedule at end of section for surface finish schedule.

3 PART 3 EXECUTION

3.1 EXAMINATION AND PREPARATION

- A. Verify that substrate conditions are ready to receive Work.
- B. Measure moisture content of porous surfaces using an electronic moisture meter. Do not apply finishes unless moisture content is less than 12 percent.
- C. Correct minor defects and clean surfaces which affect work of this section.
- D. Remove electrical plates, hardware, light fixture trim, escutcheons, and fittings prior to preparing surfaces or finishing.
- E. Gypsum Board Surfaces: Fill minor defects with latex compounds. Spot prime defects after repair.
- F. Galvanized Surfaces: Remove surface contamination and oils and wash with solvent. Apply coat of etching primer.
- G. Concrete and Unit Masonry Surfaces Scheduled to Receive Paint Finish: Remove foreign matter. Remove oil and grease with a solution of tri-sodium phosphate, rinse well and allow to dry.
- H. Uncoated Ferrous Surfaces: Remove scale by wire brushing, sandblasting, clean by washing with solvent. Apply treatment of phosphoric acid solution. Prime paint after repairs.
- I. Shop Primed Steel Surfaces: Sand and scrape to remove loose primer and rust, hand or power tool clean, clean surfaces with solvent. Prime bare steel surfaces.
- J. Interior Wood/PVC Items Scheduled to Receive Paint Finish: Wipe off dust and grit prior to priming. Seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after primer has dried; sand between coats.

- K. Interior Wood Items Scheduled to Receive Transparent Finish: Wipe off dust and grit prior to sealing, seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes and cracks after sealer has dried; sand lightly between coats.
- L. Exterior Wood Scheduled to Receive Paint Finish: Remove dust, grit, and foreign matter. Seal knots, pitch streaks, and sappy sections. Fill nail holes with tinted exterior calking compound after prime coat has been applied.
- M. Exterior Wood Scheduled to Receive Transparent Finish: Remove dust, grit, and foreign matter; seal knots, pitch streaks, and sappy sections with sealer. Fill nail holes with tinted exterior calking compound after sealer has been applied.

3.2 APPLICATION

- A. Apply products in accordance with manufacturer's instructions. Provide tinted primers where recommended by manufacturer.
- B. Sand transparent finishes lightly between coats to achieve required finish.
- C. Back prime interior and exterior woodwork scheduled to receive paint finish with primer paint.
- D. Back prime interior woodwork scheduled to receive stain or varnish finish with gloss varnish reduced 25 percent with mineral spirits.
- E. Minimum Coating Thickness: As recommended by manufacturer.
- F. Prime Coats: Prime material as recommended by manufacturer. Recoat primed surfaces as required to cover suction spots or unsealed areas.
- G. Pigmented Surfaces: Completely cover to achieve an opaque, smooth surface of uniform finish, color and appearance. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness or other imperfections will not be accepted.
- H. Transparent Finishes: Provide smooth surface of uniform luster, free of laps, cloudiness, color irregularity, runs, brush marks, orange peel, nail holes or other imperfections.

3.3 FINISHING MECHANICAL AND ELECTRICAL EQUIPMENT

- A. Painting of mechanical equipment is covered under the mechanical specification sections.
- B. Painting of electrical equipment is covered under the electrical specification sections.
- C. Paint shop primed equipment.
- D. Remove unfinished louvers, grilles, covers, and access panels and paint separately. Paint dampers exposed behind louvers, grilles, convactor and baseboard cabinets to match face panels.
- E. Prime and paint insulated and exposed pipes, insulated and exposed ducts, hangers, brackets, collars and supports, except where items are prefinished.
- F. Paint interior surfaces of air ducts, and convactor and baseboard heating cabinets that are visible through grilles and louvers with one coat of flat black paint, to limit of sight line.

- G. Paint exposed conduit and electrical equipment occurring in finished areas except prefinished surfaces.
- H. Paint exposed faces of plywood backboards.
- I. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.4 CLEANING

- A. As work proceeds, promptly remove finishes where spilled, splashed, or spattered.

3.5 SCHEDULE - INTERIOR SURFACES

Surface	Finish	System	Product	Coats
Concrete	Satin	Finish	Benjamin Moore Latex Floor & Patio Enamel 122	2
Drywall	Flat	Primer	Benjamin Moore Regal FirstCoat 216	1
		Finish	Benjamin Moore Pristine Eco Spec Latex Flat 219	1
Drywall	Eggshell	Primer	Benjamin Moore Regal FirstCoat 216	1
		Finish	Benjamin Moore Pristine Eco Spec Latex Eggshell 223	2
Drywall	Semigloss	Primer	Benjamin Moore Regal FirstCoat 216	1
		Finish	Benjamin Moore Pristine Eco Spec Latex Semi-Gloss 224	2
Metal	Semigloss	Primer	Benjamin Moore IronClad Latex Low Lustre 363	1
		Finish	Benjamin Moore Pristine Eco Spec Latex Semi-Gloss 224	2
Wood/PVC	Semigloss	Primer	Benjamin Moore Regal FirstCoat 216	1
		Finish	Benjamin Moore Pristine Eco Spec Latex Semi-Gloss 224	2
Wood	Clear Satin	Finish	Benjamin Moore Benwood Acrylic Polyurethane 423	2
Hardboard Doors	Semigloss	Primer	Benjamin Moore Fresh Start Primer	1
		Finish	BM Pristine Eco Spec Latex Semi-Gloss 224	1

3.6 SCHEDULE - EXTERIOR SURFACES

Surface	Finish	System	Product	Coats
Metal	Gloss	Primer	Benjamin Moore IronClad Latex Low Lustre 363	1
		Finish	Benjamin Moore Impervex Latex High Gloss 309	2
Wood	Satin	Primer	Benjamin Moore Fresh Start Acrylic Primer 023	1
		Finish	Benjamin Moore MoorGlo 096	2
Wood	Stain	Finish	Cabot OVT Acrylic Stain	1

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