

SECTION 09 90 00 - PAINTS AND COATINGS

PART I - GENERAL

1.1 RELATED DRAWINGS

- A. *Section 01 78 23 – Operation and Maintenance Data*

1.2 SUBMITTALS

- A. Submittals for all paints and coatings and associated colors shall be provided to Owner for approval prior to application.

1.3 EXTRA STOCK

- A. The installing Contractor shall supply to the Owner an extra 1 gallon of each paint product used for future touch-up purposes. All paint materials and colors shall be clearly identified.
- B. At the completion of the project, a schedule listing each space with manufacturer, product, color, and sheen shall be provided as part of the O&M manual. Colors shall not be identified by name (such as Midnight Blue) but shall be identified by formula.

1.4 WARRANTY

- A. Interior Paints and Coatings: Shall be warranted for 7 to 10 years.
- B. Exterior Paints and Coatings: Shall be warranted for 5 to 7 years.

PART 2 - PRODUCTS

2.1 PAINTS AND COATINGS

- A. All paints and coatings shall be *architectural grade* as opposed to *contractor grade*.

2.2 APPROVED MANUFACTURERS

- A. Pratt & Lambert
- B. Sherwin-Williams
- C. MAB
- D. Pittsburgh
- E. Benjamin Moore

PART 3 - EXECUTION

3.1 INSTALLERS

- A. Engage an experienced Contractor who has completed paint or coating applications similar in material, design, and extent to that indicated for Project that have resulted in construction with a record of successful in-service performance. Experienced craftsmen shall apply all paints and coatings.

3.2 HEALTH AND SAFETY

- A. Physical Barrier: A continuous physical barrier shall be maintained between work areas and occupied/populated areas, especially indoors.
- B. Fresh Air: Fresh air shall be provided in appropriate quantities and temperatures while painting within University buildings.
- C. Protect From Fumes: Appropriate steps shall be taken to protect all personnel, especially building occupants and/or pedestrians, from dust and/or fumes that are potentially harmful.

- D. Lead Paint: When existing lead paint is encountered it shall be addressed in compliance with the requirements of the *Safety and Compliance* section within the *General Requirements of the U of I Facilities Standards*.

3.3 SURFACES TO REMAIN UNPAINTED

- A. Do Not Paint: Below is a partial listing of the most frequent violations.
1. Moving/movable equipment parts
 2. Flexible ventilation duct connections
 3. Flexible hose / pipe connectors
 4. Stainless steel components
 5. Galvanized steel surfaces/components (unless special surface preparation is accomplished prior to painting to ensure long term bonding).
 6. Equipment identification labels / name plates.
 7. Equipment performance/rating information labels
 8. Code required / code identification labels

3.4 INTERIOR SURFACES

- A. Wall & Ceiling Paint Finishes: The paint finish on walls should typically be eggshell or semi-gloss enamel. The finish on ceilings should typically be flat.
- B. New Drywall:
1. Drywall Tape: Drywall tape shall be applied to *all* corner beads to prevent cracking.
 2. 3 Coats Drywall Compound: Three full coats of drywall compound shall be applied to each tape joint - 1 all purpose coat and 2 top coats. Three coats of compound shall be applied to each screw head.
 3. Sand Compound: Compound shall be sanded after each application. All dust generated by sanding shall be captured by HEPA vacuum equipment in areas where occupants, computers or other sensitive equipment could be exposed.
 4. Sealer & Finish: All drywall shall receive 1 coat of latex primer-sealer and 2 full coats of appropriate finish paint.
- C. New Wood Doors, Framing, Trim, & Cabinets
1. Varnish: Each item such as a new wood door, door or window frame, piece of wood trim, and cabinet that is to be varnished shall first be stained with an appropriate stain, if applicable. It shall then receive a coat of sanding sealer followed by 2 coats of satin or semi-gloss varnish. The top and bottom of each door is to be sealed. The finish shall be sanded with 220 grit sandpaper between coats. All finish on wood doors and cabinets shall be spray or brush applied, not roller applied.
 2. Paint: Each item such as a new wood door that is to be painted shall receive a coat of primer-sealer followed by two coats of satin or semi-gloss alkyd enamel. All paint on wood doors and cabinets shall be spray or brush applied, not roller applied.
- D. New Metal Doors, Frames and Cabinets: Shall be spray or brush applied, not roller applied.
- E. Equipment, Piping and Supports:
1. Prime and Paint: All unfinished equipment, piping, and supports shall receive one coat of a solvent-based rust-check oil primer followed by a finish coat of Owner approved paint.
 2. Labels: All piping shall be color coded and/or labeled as specified.
- F. Previously Painted Walls and Ceilings:
1. Holes: All holes and cracks shall be patched flush with surrounding wall surface.

2. Prime and Paint: All surfaces shall receive one coat of primer-sealer and one coat of eggshell or low luster enamel.
- G. Painting of Walls Previously Covered: Remove all paste from the entire wall surface by washing prior to painting.
- H. Previously Painted/Finished Wood Doors, Frames, Trim, Cabinets:
 1. Wash: Wash entire surface prior to painting.
 2. Enamel Undercoat: Apply an enamel undercoater followed by two coats of finish.
- I. Existing Oiled Wood Paneling:
 1. Wash: Prior to reoiling, paneling shall first be washed with a solution of water and TSP (trisodium phosphate) and rinsed.
 2. Oil: Paneling shall be oiled using equal parts of boiled linseed oil, turpentine and denatured alcohol. A small amount of stain that matches the paneling may be added.
 3. Polish: After oiling, paneling shall be polished with cheesecloth. Soiled cheesecloth shall be placed in water and disposed of properly since it poses both a fire and health hazard.

PART 4 - SUBMITTALS

4.1 SCHEDULES

- A. *[Note to AE: Ensure schedules are submitted which will enable the replication or reorder of any manufactured product per Section 01 01 78 23 – Operation and Maintenance Data]*

END OF SECTION 09 90 00

This section of the *U of I Facilities Standards* establishes minimum requirements only.
It should not be used as a complete specification.