





referred to as the MPI Painting Manual) as issued by the local MPI Accredited Quality Assurance Association having jurisdiction.

### 2.3 FINISHES

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

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Verify site conditions under provisions of Section 01040.
- B. Verify that surfaces are ready to receive work as instructed by the product manufacturer.
- C. Examine surfaces scheduled to be finished prior to commencement of work. Report any condition that may potentially affect proper application.
- D. Test shop applied primer for compatibility with subsequent cover materials.
- E. Measure moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture content of surfaces are below the following maximums:
  - 1. Plaster and Gypsum Wallboard: 12%.
  - 2. Masonry, Concrete, and Concrete Unit Masonry: 12%.
  - 3. Interior Wood: 15%, measured in accordance with ASTM D2016.
  - 4. Exterior Wood: 15%, measured in accordance with ASTM D2016.
  - 5. Concrete Floors: 8%.

### 3.2 PREPARATION

- A. Remove or mask electrical plates, hardware, light fixture trim, escutcheons and fittings prior to preparing surfaces or finishing.
- B. Correct defects and clean surfaces that affect work of this section. Remove existing coatings that exhibit loose surface defects.
- C. Seal any marks which may bleed through surface finishes.
- D. Impervious Surfaces: Remove mildew by scrubbing with solution of tri-sodium phosphate and bleach. Rinse with clean water and allow surface to dry.
- E. Surface to receive caulking shall be solvent brushed clean to remove dirt residue and to evaporate moisture. Exterior surfaces shall then be sealed with a continuous bead of 40 year sealant to insure a waterproof installation. Interior surfaces to be architecturally sealed with non-VOC emitting caulks.
- F. Aluminum Surfaces Scheduled for Paint Finish: Remove surface contamination by steam or high-pressure water. Remove oxidation with acid etch and solvent washing. Apply etching primer immediately following cleaning.
- G. Asphalt, Creosote or Bituminous Surfaces Scheduled for Paint Finish: Remove foreign particles to permit adhesion of finishing materials. Apply compatible sealer or primer.
- H. Insulated Coverings: Remove dirt, grease, and oil from canvas and cotton.
- I. Concrete Floors: Remove contamination acid etch and rinse floors with clear water. Verify required acid-alkali balance is achieved. Allow to dry.
- J. Copper Surfaces Scheduled for a Paint Finish: Remove contamination by steam, high-pressure water, or solvent washing. Apply vinyl etch primer immediately following cleaning.
- K. Copper Surfaces Scheduled for a Natural Oxidized Finish: Remove contamination by applying oxidizing solution of copper acetate and ammonium chloride in acetic acid. Rub on repeatedly for required effect. Once attained, rinse surfaces with clear water and allow to dry.



- C. Apply each coat to uniform finish.
- D. Apply each coat of paint slightly darker than prece

required and other requirements that are to be furnished to conform to the requirements of this Project.

- C. Where specific finishes are indicated by code designation, it shall specifically refer to the following identified types of coatings.
- D. The primer indicated under Material Identification is intended for the particular substrate surface specified. Where the same numbered finish is scheduled, but for another substrate, provide the proper primer compatible with substrate and the finish.
- E. Where the substrate has a compatible and satisfactory prime coat already on it, the prime coat specified for the numbered finish may be omitted. Test prime coat for compatibility before applying additional coats.

### 3.9 EXTERIOR PAINT TYPES

NOTE: Mils thickness is given in dry film thickness per coat.

#### A. Concrete Surfaces

##### 1. Latex, Satin

1st Coat: Exterior Masonry Acrylic Primer (3.6 mils)

2nd Coat: Exterior Latex Satin (1.3 mils)

3rd Coat: Exterior Latex Satin (1.3 mils)

Surfaces: Walls, ceilings, columns, soffits, etc.

##### 2. Latex, Gloss

1st Coat: Exterior Masonry Acrylic Primer (3.6 mils)

2nd Coat: Exterior Latex Gloss (1.3 mils)

3rd Coat: Exterior Latex Gloss (1.3 mils)

Surfaces: Walls, ceilings, columns, soffits, etc.

#### B. Masonry Surfaces

##### 1. Latex, Satin

1st Coat: Exterior Masonry Acrylic Primer (3.6 mils)

- 1st Coat: DTM Acrylic Primer Finish (3.0 mils)
- 2nd Coat: DTM Acrylic Coating Semi-Gloss (3.0 mils)
- 3rd Coat: DTM Acrylic Coating Semi-Gloss (3.0 mils)
- 5. Enamel, Gloss (Aluminum)
  - 1st Coat: DTM Primer Finish (3.0 mils)
  - 2nd Coat: DTM Acrylic Coating Semi-Gloss (3.0 mils)
  - 3rd Coat: DTM Acrylic Coating Semi-Gloss (3.0 mils)
- 6. High-Build Acrylic Polyurethane Enamel – Gloss
  - 1st Coat: Compatible Epoxy Primer (3.0 mils)
  - 2nd Coat: Acrylic Polyurethane Enamel (4.0 mils)
  - 3rd Coat: Acrylic Polyurethane Enamel (4.0 mils)

Surfaces: New metal railings surfaces, interior metal surfaces exposed to high humidity and moisture.
- D. Exterior Exposed Wood Surfaces
  - 1. Latex, Gloss, Paint
    - 1st Coat: Exterior Latex Primer (1.4 mils)
    - 2nd Coat: Exterior Latex Gloss (1.3 mils)
    - 3rd Coat: Exterior Latex Gloss (1.3 mils)
- E. Stucco, Plaster and Manufactured Stone Surfaces
  - 1. Latex, Satin
    - 1st Coat: Exterior Masonry Acrylic Primer (3.6 mils)
    - 2nd Coat: Exterior Latex Satin (1.3 mils)
    - 3rd Coat: Exterior Latex Satin (1.3 mils)
  - 2. Elastometric Coating system
    - 1st Coat: Exterior Masonry Acrylic Primer (3.6 mils)
    - 2nd Coat: Elastomeric Coating (4.8 mils)
    - 3rd Coat: Elastomeric Coating (4.8 mils)

### 3.10 INTERIOR PAINT TYPE

NOTE: Mil thickness is given in dry film thickness per coat.

- A. Concrete Surfaces
  - 1. Latex, Satin
    - 1st Coat: Interior Masonry Primer (3.0 mils)
    - 2nd Coat: Latex Egg-Shell (1.6 mils)
    - 3rd Coat: Latex Egg-Shell (1.6 mils)

Surfaces: Concrete walls, concrete ceilings (including precast), concrete locker bases.
  - 2. Gloss Epoxy, Gloss
    - 1st Coat: Interior Masonry Primer (3.0 mils)
    - 2nd Coat: Water Based Catalyzed Epoxy (3.0 mils)
    - 3rd Coat: Water Based Catalyzed Epoxy (3.0 mils)

Surfaces: Floors, stairs, striping on floors.
- B. Masonry Surfaces
  - 1. Latex, Satin
    - 1st Coat: Int/Ext Block Filler (8.0 mils)
    - 2nd Coat: Interior Latex Egg-Shell (1.6 mils)
    - 3rd Coat: Interior Latex Egg-Shell (1.6 mils)

Surfaces: Masonry walls, graphics.
  - 2. Enamel, Gloss
    - 1st Coat: Int/Ext Block Filler (8.0 mils)

- 2nd Coat: Waterborne Interior Gloss Enamel (1.3 mils)
- 3rd Coat: Waterborne Interior Gloss Enamel (1.3 mils)
- Surfaces: Graphics.
- 3. Water Base/Epoxy (Gloss)
  - 1st Coat: Interior Latex Wall Primer (3.0 mils)
  - 2nd Coat: Water Based Catalyzed Epoxy (3.0 mils)
  - 3rd Coat: Water Based Catalyzed Epoxy (3.0 mils)
  - Surfaces: Masonry walls, graphics.
- C. Metal Surfaces
  - 1. Acrylic, Gloss (Non-Galvanized)
    - 1st Coat: Universal Metal Primer (3.0 mils)
    - 2nd Coat: DTM Acrylic Coating Semi-Gloss (1.5 mils)
    - 3rd Coat: DTM Acrylic Coating Semi-Gloss (1.5 mils)
  - 2. Acrylic, Gloss (Galvanized)
    - 1st Coat: DTM Acrylic Primer (3.0 mils)
    - 2nd Coat: Interior Latex Gloss Enamel (1.5 mils)
    - 3rd Coat: Interior Latex Gloss Enamel (1.5 mils)
    - Surfaces: Hollow metal doors, frames, railings, and ferrous metal surfaces.
- D. Exposed Structure
  - 1. Alkyd (Dry Fall-Out) Flat
    - 1st Coat: Dryfall Flat (\*)
    - 2nd Coat: Dryfall Flat (\*)



Surfaces: Plaster walls, plaster ceilings; plaster bulkheads, graphics.