

SECTION 099124 - INTERIOR PAINTING (MPI STANDARDS)

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes surface preparation and the application of paint systems on the following interior substrates:
 - 1. Concrete.
 - 2. Steel and iron.
 - 3. Wood.
 - 4. Gypsum board.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
 - 1. Include printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
- B. Samples: For each type of topcoat product.
- C. Product List: Use same designations indicated on Drawings and in the Interior Painting Schedule to cross-reference paint systems specified in this Section. Include color designations.

1.3 QUALITY ASSURANCE

- A. Mockups: Apply mockups of each paint system indicated and each color and finish selected to verify preliminary selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
 - 1. Final approval of color selections will be based on mockups.
 - a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Behr Paint Company; Behr Process Corporation.
2. Benjamin Moore & Co.
3. Diamond Vogel Paints.
4. Kelly-Moore Paint Company Inc.
5. McCormick Paints.
6. PPG Paints.
7. Pratt & Lambert.
8. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
9. Sherwin-Williams Company (The).
10. Valspar Corporation (The).

- B. Products: Subject to compliance with requirements, provide one of the products listed in the Interior Painting Schedule for the paint category indicated.

2.2 PAINT, GENERAL

- A. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products List."

- B. Material Compatibility:

1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.

- C. VOC Content: For field applications that are inside the weatherproofing system, verify paints and coatings comply with VOC content limits of authorities having jurisdiction and the following VOC content limits:

1. Flat Paints and Coatings: 50 g/L.
2. Nonflat Paints and Coatings: 50 g/L.
3. Dry-Fog Coatings: 150 g/L.
4. Primers, Sealers, and Undercoaters: 100 g/L.
5. Shellacs, Pigmented: 550 g/L.
6. Shellacs, Clear: 730 g/L.
7. Pretreatment Wash Primers: 420 g/L.
8. Zinc-Rich Industrial Maintenance Primers: 100 g/L.
9. Rust-Preventive Coatings: 100 g/L.

- D. Low-Emitting Materials: For field applications that are inside the weatherproofing system, verify 90 percent of paints and coatings comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

- E. Colors: As selected by Architect from manufacturer's full range .

1. Twenty percent of surface area will be painted with deep tones.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
- B. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating indicates acceptance of surfaces and conditions.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
- C. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.

3.3 INSTALLATION

- A. Apply paints according to manufacturer's written instructions and to recommendations in "MPI Manual."
- B. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.
- C. Painting Fire-Suppression, Plumbing, HVAC, Electrical, Communication, and Electronic Safety and Security Work:
 - 1. Paint the following work where exposed:
 - a. Equipment, including panelboards and switch gear.
 - b. Uninsulated metal piping.
 - c. Uninsulated plastic piping.
 - d. Metal conduit.
 - e. Plastic conduit.
 - f. Duct, equipment, and pipe insulation having cotton or canvas insulation covering or other paintable jacket material.
 - 2. Paint portions of internal surfaces of metal ducts, without liner, behind air inlets and outlets that are visible from occupied spaces.

3.4 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.5 INTERIOR PAINTING SCHEDULE

- A. Contractor to provide substrate finish schedule with proposed products to review by Architect. Acceptable umbrella product manufacturer's include:
 - 1. Benjamin Moore & Co.
 - 2. Kelly-Moore Paint Company, Inc.
 - 3. Sherwin-Williams Company (The).
 - 4. PPG Paints.
 - 5. Pratt & Lambert.
- B. Concrete Substrates, Nontraffic Surfaces:
 - 1. Latex System , MPI INT 3.1A :
 - a. Prime Coat: Primer, alkali resistant, water based [, **MPI #3**].
 - b. Intermediate Coat: Latex, interior, matching topcoat.
 - c. Topcoat: Latex, interior, flat (MPI Gloss Level 1) [, **MPI #53**].
 - d. Topcoat: Latex, interior (MPI Gloss Level 2) [, **MPI #44**].
 - e. Topcoat: Latex, interior (MPI Gloss Level 3) [, **MPI #52**].
 - f. Topcoat: Latex, interior (MPI Gloss Level 4) [, **MPI #43**].
 - g. Topcoat: Latex, interior, semigloss (MPI Gloss Level 5) [, **MPI #54**].
 - h. Topcoat: Latex, interior, gloss (MPI Gloss Level 6, except minimum gloss of 65 units at 60 degrees) [, **MPI #114**].
- C. Steel Substrates:
 - 1. Latex System, Alkyd Primer [, **MPI INT 5.1QQ**]:
 - a. Prime Coat: Primer, alkyd, anticorrosive, for metal [, **MPI #79**].
 - b. Intermediate Coat: Latex, interior, matching topcoat.
 - c. Topcoat: Latex, interior, flat (MPI Gloss Level 1) [, **MPI #53**].
 - d. Topcoat: Latex, interior (MPI Gloss Level 2) [, **MPI #44**].
 - e. Topcoat: Latex, interior (MPI Gloss Level 3) [, **MPI #52**].
 - f. Topcoat: Latex, interior (MPI Gloss Level 4) [, **MPI #43**].
 - g. Topcoat: Latex, interior, semigloss (MPI Gloss Level 5) [, **MPI #54**].

- h. Topcoat: Latex, interior, gloss (MPI Gloss Level 6, except minimum gloss of 65 units at 60 degrees) [, **MPI #114**].
 - 2. High-Performance Architectural Latex System , MPI INT 5.1RR:
 - a. Prime Coat: Primer, alkyd, quick dry, for metal [, **MPI #76**].
 - b. Prime Coat: Primer, alkyd, anticorrosive, for metal [, **MPI #79**].
 - c. Prime Coat: Shop primer specified in Section where substrate is specified.
 - d. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.
 - e. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 2) [, **MPI #138**].
 - f. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 3) [, **MPI #139**].
 - g. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 4) [, **MPI #140**].
 - h. Topcoat: Latex, interior, high performance architectural, semigloss (MPI Gloss Level 5) [, **MPI #141**].
- D. Wood Substrates: Wood trim and Doors .
 - 1. Latex over Latex Primer System , MPI INT 6.3T:
 - a. Prime Coat: Primer, latex, for interior wood , MPI #39.
 - b. Intermediate Coat: Latex, interior, matching topcoat.
 - c. Topcoat: Latex, interior (MPI Gloss Level 3) , MPI #52.
- E. Gypsum Board Substrates:
 - 1. Latex over Latex Sealer System , MPI INT 9.2A:
 - a. Prime Coat: Primer sealer, latex, interior , MPI #50.
 - b. Prime Coat: Latex, interior, matching topcoat.
 - c. Intermediate Coat: Latex, interior, matching topcoat.
 - d. Topcoat: Latex, interior, flat (MPI Gloss Level 1) , MPI #53.

END OF SECTION 099124