

SECTION 09 91 23 - INTERIOR PAINTING

PART 1 - GENERAL

1.1 SYSTEM REQUIREMENTS

- A. Design Requirements:
 - 1. Single-Source Responsibility: Provide primers and undercoats produced by and certified compatible with each other and with topcoat.
 - 2. Quality: Provide manufacturer's first line commercial products.
 - 3. Locally Available: Provide products readily available within the Denver metropolitan area in 1- and 5-gallon containers. Readily available means within 24-hours of placing order.
 - 4. Dry Film Thickness (DFT): Apply all coatings in strict conformance with manufacturer's recommendations for minimum DFT.

1.2 SUBMITTALS

- A. MSDS: Contractor to provide Material Safety Data Sheets (MSDS) for all coatings to the University Project Manager prior to application.

1.3 QUALITY ASSURANCE

- A. MPI Standards: Provide products that comply with Master Painter Institute (MPI) standards indicated and that are listed in its "MPI Approved Products List."
- B. All painting must be of journeyman level craftsmanship, paying special attention to preparation, etching, priming and undercoating.

PART 2 - PRODUCTS

2.1 BLOCK FILLERS

- A. Block Filler, Acrylic/Latex, Interior/Exterior for Concrete Masonry Unit Substrates: MPI #4

2.2 PRIMERS/SEALERS

- A. Primer, Alkali Resistant, Water Based, for Concrete Substrates: MPI #3
- B. Primer Sealer, Interior, Institutional Low Odor/No VOC, for Gypsum Board and Plaster Substrates: MPI #149
- C. Primer, Latex, for Interior Wood Substrates: MPI #39
- D. Wood-Knot Sealer: Sealer recommended in writing by topcoat manufacturer for use in paint systems indicated.

2.3 METAL PRIMERS

- A. Primer, Rust-Inhibitive, Water Based, for Ferrous-Metal Substrates: MPI #107
- B. Primer, Galvanized, Water Based, for Zinc-Coated Metal Substrates: MPI #134
- C. Primer, Quick Dry, for Aluminum Substrates: MPI #95

2.4 WATER-BASED PAINTS

- A. Latex, Interior, Gloss (Gloss Level 6, except minimum gloss of 65 units at 60 degrees): MPI #114.
- B. Latex, Interior, Institutional Low Odor/No VOC, Flat (Gloss Level 1): MPI #143.
- C. Latex, Interior, Institutional Low Odor/No VOC, Egg-Shell (Gloss Level 2) MPI #144 or (Gloss Level 3) MPI #145.
- D. Latex, Interior, Institutional Low Odor/No VOC, Semi-Gloss (Gloss Level 5): MPI #147.

2.5 DRY FOG/FALL COATINGS

- A. Dry Fall, Latex, Flat: MPI #118.
- B. Dry Fall, Water Based, for Galvanized Steel, Flat (Gloss Level 1): MPI #133.

2.6 FLOOR COATINGS

- A. Sealer, Water Based, for Concrete Floors: MPI #99.

PART 3 - EXECUTION

3.1 INTERIOR PAINTING SCHEDULE

- A. Concrete Substrates, Nontraffic Surfaces: The following system is acceptable, high performance coating specified in SECTION 09 96 00 preferred.
 - 1. Institutional Low-Odor/No VOC Latex System: MPI INT 3.1M
 - a. Prime Coat: Primer sealer, interior, institutional low odor/No VOC, MPI #149.
 - b. Intermediate Coat: Latex, interior, institutional low odor/No VOC, matching topcoat.
 - c. Topcoat: Latex, interior, institutional low odor/No VOC, semi-gloss (Gloss Level 5), MPI #147.
- B. Concrete Substrates, Traffic Surfaces: At all concrete traffic surfaces scheduled to receive sealer.
 - 1. Water-Based Clear Sealer System: MPI INT 3.2G
 - a. First Coat: Sealer, water based, for concrete floors, MPI #99.
 - b. Topcoat: Sealer, water based, for concrete floors, MPI #99.
- C. CMU Substrates: The following system is acceptable, high performance coating specified in SECTION 09 96 00 preferred.
 - 1. Institutional Low-Odor/No VOC Latex System: MPI INT 4.2E
 - a. Block Filler: Block filler, latex, interior/exterior, MPI #4.
 - b. Intermediate Coat: Latex, interior, institutional low odor/No VOC, matching topcoat.
 - c. Topcoat: Latex, interior, institutional low odor/No VOC, semi-gloss (Gloss Level 5), MPI #147.
- D. Steel Substrates: At all steel substrates not indicated to receive high-performance coatings specified in SECTION 09 96 00.
 - 1. Water-Based Dry-Fall System (for overhead work only): MPI INT 5.1C
 - a. Prime Coat: Shop primer to be specified in Division 05.
 - b. Topcoat: Dry fall, latex, flat, MPI #118.
 - 2. Institutional Low-Odor/No VOC Latex System: MPI INT 5.1S
 - a. Prime Coat: Primer, rust-inhibitive, water based MPI #107.
 - b. Intermediate Coat: Latex, interior, institutional low odor/No VOC, matching topcoat.

- c. Topcoat: Latex, interior, institutional low odor/No VOC, semi-gloss (Gloss Level 5), MPI #147.
- E. Galvanized-Metal Substrates: At all galvanized metal substrates not indicated to receive high-performance coatings specified in SECTION 09 96 00.
 - 1. Water-Based Dry-Fall System (for overhead work only): MPI INT 5.3H
 - a. Prime Coat: Dry fall, water based, for galvanized steel, flat (Gloss Level 1), MPI #133.
 - b. Topcoat: Dry fall, water based, for galvanized steel, flat (Gloss Level 1), MPI #133.
 - 2. Institutional Low-Odor/No VOC Latex System: MPI INT 5.3N
 - a. Prime Coat: Primer, galvanized, water based, MPI #134.
 - b. Intermediate Coat: Latex, interior, institutional low odor/No VOC, matching topcoat.
 - c. Topcoat: Latex, interior, institutional low odor/No VOC, semi-gloss (Gloss Level 5), MPI #147.
- F. Aluminum (Not Anodized or Otherwise Coated) Substrates:
 - 1. Institutional Low-Odor/No VOC Latex System: MPI INT 5.4G
 - a. Prime Coat: Primer, quick dry, for aluminum, MPI #95.
 - b. Intermediate Coat: Latex, interior, institutional low odor/No VOC, matching topcoat.
 - c. Topcoat: Latex, interior, institutional low odor/No VOC, semi-gloss (Gloss Level 5), MPI #147.
- G. Wood Substrates:
 - 1. Institutional Low-Odor/No VOC Latex System: MPI INT 6.1Q, MPI INT 6.2L, MPI INT 6.3V, and MPI INT 6.4T
 - a. Prime Coat: Primer, latex, for interior wood, MPI #39.
 - b. Intermediate Coat: Latex, interior, institutional low odor/No VOC, matching topcoat.
 - c. Topcoat: Latex, interior, institutional low odor/No VOC, semi-gloss (Gloss Level 5), MPI #147.
- H. Gypsum Board and Plaster Substrates:
 - 1. Latex System: MPI INT 9.2A. At gypsum board, GFRG, and plaster substrates scheduled to receive gloss paint.
 - a. Prime Coat: Primer sealer, latex, interior, MPI #50.
 - b. Intermediate Coat: Latex, interior, matching topcoat.
 - c. Topcoat: Latex, interior; gloss, (Gloss Level 6, except minimum gloss of 65 units at 60 degrees), MPI #114.
 - 2. Institutional Low-Odor/No VOC Latex System: MPI INT 9.2M. At all gypsum board, GFRG, and plaster substrates, unless indicated otherwise.
 - a. Prime Coat: Primer sealer, interior, institutional low odor/No VOC, MPI #149.
 - b. Intermediate Coat: Latex, interior, institutional low odor/No VOC, matching topcoat.
 - c. Topcoat: Latex, interior, institutional low odor/No VOC; Provide one of the following as indicated in Finish Schedule:
 - 1) Flat (Gloss Level 1), MPI #143
 - 2) Egg-shell (Gloss Level 2), MPI #144 or (Gloss Level 3), MPI #145
 - 3) Semi-gloss (Gloss Level 5), MPI #147
 - d. Typical Sheen: Egg-shell (Gloss Level 2 or 3) unless indicated otherwise.

END OF SECTION 09 91 23