SECTION 09 91 23

INTERIOR PAINTING

PART 1 GENERAL

1.01 REFERENCE STANDARDS

A. MPI (APSM) - Master Painters Institute Architectural Painting Specification Manual Current Edition.

B. SSPC-SP 1 - Solvent Cleaning 2015, with Editorial Revision (2016).

C. SSPC-SP 6 - Commercial Blast Cleaning 2007.

1.02 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.

B. Product Data: Provide complete list of products to be used, with the following information for each:
    1. Manufacturer's name, product name and/or catalog number, and general product category (e.g., "alkyd enamel").
    2. MPI product number (e.g., MPI #47).
    3. Cross-reference to specified paint system(s) product is to be used in; include description of each system.

C. Samples: Submit two paper chip samples, 4x4 inch (____x____ mm) in size illustrating range of colors and textures available for each surface finishing product scheduled.

1.03 DELIVERY, STORAGE, AND HANDLING

A. Deliver products to site in sealed and labeled containers; inspect to verify acceptability.

B. Container Label: Include manufacturer's name, type of paint, brand name, lot number, brand code, coverage, surface preparation, drying time, cleanup requirements, color designation, and instructions for mixing and reducing.

C. Paint Materials: Store at minimum ambient temperature of 45 degrees F (7 degrees C) and a maximum of 90 degrees F (32 degrees C), in ventilated area, and as required by manufacturer's instructions.

1.04 FIELD CONDITIONS

A. Do not apply materials when surface and ambient temperatures are outside the temperature ranges required by the paint product manufacturer.

B. Follow manufacturer's recommended procedures for producing best results, including testing of substrates, moisture in substrates, and humidity and temperature limitations.

C. Provide lighting level of 80 ft candles (860 lx) measured mid-height at substrate surface.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Paints:
    1. Behr Process Corporation: www.behr.com/#sle.
    2. PPG Paints: www.ppgpaints.com/#sle.
    3. Sherwin-Williams Company: www.sherwin-williams.com/#sle.
    4. Approved equal.

B.   Primer Sealers: Same manufacturer as top coats.

2.02   PAINTS AND FINISHES - GENERAL

A.   Paints and Finishes: Ready-mixed, unless intended to be a field-catalyzed paint.
1.   Provide paints and finishes of a soft paste consistency, capable of being readily and uniformly dispersed to a homogeneous coating, with good flow and brushing properties, and capable of drying or curing free of streaks or sags.
2.   Supply each paint material in quantity required to complete entire project's work from a single production run.
3.   Do not reduce, thin, or dilute paint or finishes or add materials unless such procedure is specifically described in manufacturer's product instructions.

2.03   PAINT SYSTEMS - INTERIOR

A.   Paint I-OP - Interior Surfaces to be Painted, Unless Otherwise Indicated: Including gypsum board, concrete, concrete masonry units, brick, wood, plaster, uncoated steel, shop primed steel, galvanized steel, aluminum, and acoustical ceilings.
1.   Two top coats and one coat primer.
2.   Top Coat(s): Interior Latex; MPI #43, 44, 52, 53, 54, or 114.
3.   Top Coat Sheen:
a.   Semi-Gloss: MPI gloss level 5; use this sheen at all locations.
4.   Primer: As recommended by top coat manufacturer for specific substrate.

B.   Paint I-OP-MD-DT - Medium Duty Door/Trim: For surfaces subject to frequent contact by occupants, including metals and wood:
1.   Medium duty applications include doors, door frames, railings, handrails, guardrails, and balustrades.
2.   Two top coats and one coat primer.
3.   Top Coat(s): High Performance Architectural Interior Latex; MPI #138, 139, 140, or 141.
4.   Top Coat Sheen:
a.   Eggshell: MPI gloss level 3; use this sheen at all locations.
5.   Primer: As recommended by top coat manufacturer for specific substrate.

2.04   PRIMERS

A.   Primers: Provide the following unless other primer is required or recommended by manufacturer of top coats.
1.   Interior Institutional Low Odor/VOC Primer Sealer; MPI #149.
2.   Interior Latex Primer Sealer; MPI #50.
3.   Interior Drywall Primer Sealer.
4.   Interior Rust-Inhibitive Water Based Primer; MPI #107.
5.   Interior Water Based Primer for Galvanized Metal; MPI #134.

PART 3 EXECUTION

3.01   EXAMINATION

A.   Do not begin application of paints and finishes until substrates have been adequately prepared.

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.

3.02 PREPARATION

    A. Clean surfaces thoroughly and correct defects prior to application.

    B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

    C. Remove or mask surface appurtenances, including electrical plates, hardware, light fixture trim, escutcheons, and fittings, prior to preparing surfaces or finishing.

    D. Seal surfaces that might cause bleed through or staining of topcoat.

    E. Gypsum Board: Fill minor defects with filler compound. Spot prime defects after repair.

    F. Galvanized Surfaces:

    G. Ferrous Metal:
       1. Solvent clean according to SSPC-SP 1.
       2. Shop-Primed Surfaces: Sand and scrape to remove loose primer and rust. Feather edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare steel surfaces. Re-prime entire shop-primed item.
       3. Remove rust, loose mill scale, and other foreign substances using methods recommended in writing by paint manufacturer and blast cleaning according to SSPC-SP 6 "Commercial Blast Cleaning". Protect from corrosion until coated.

3.03 APPLICATION

    A. Apply products in accordance with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual".

    B. Do not apply finishes to surfaces that are not dry. Allow applied coats to dry before next coat is applied.

    C. Apply each coat to uniform appearance in thicknesses specified by manufacturer.

    D. Vacuum clean surfaces of loose particles. Use tack cloth to remove dust and particles just prior to applying next coat.

    E. Reinstall electrical cover plates, hardware, light fixture trim, escutcheons, and fittings removed prior to finishing.

3.04 CLEANING

    A. Collect waste material that could constitute a fire hazard, place in closed metal containers, and remove daily from site.

3.05 PROTECTION

    A. Protect finishes until completion of project.

    B. Touch-up damaged finishes after Substantial Completion.

3.06 SCHEDULE - PAINT SYSTEMS

    A. Gypsum Board: Finish surfaces exposed to view, except [_____].
       1. Interior Walls: GI-OP-3A, semi-gloss.

    B. Steel Doors and Frames: Finish surfaces exposed to view; MI-OP-3A, gloss.

END OF SECTION

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