SECTION 099611 - HIGH-PERFORMANCE COATINGS (PROPRIETARY SPECIFICATION)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes surface preparation and application of high-performance coating systems on the following substrates:

1. Exterior Substrates:

    a. Steel.
    b. Galvanized steel.
    c. Aluminum (not anodized or otherwise coated).
    d. Copper.
    e. Stainless steel.

2. Interior Substrates:

    a. Gypsum board.

B. Related Requirements:

1. Section 051200 "Structural Steel Framing" Section 051213 "Architecturally Exposed Structural Steel Framing" for shop priming of structural steel with primers specified in this Section.
2. Section 099113 "Exterior Painting" for general field painting.
3. Section 099123 "Interior Painting" for general field painting.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product. Include preparation requirements and application instructions.

1. Indicate VOC content.

B. Samples for Initial Selection: For each type of topcoat product indicated.

C. Samples for Verification: For each type of coating system and each color and gloss of topcoat indicated.

1. Submit Samples on actual substrate material to be coated, 8 inches square.
2. Apply coats on Samples in steps to show each coat required for system.
3. Label each coat of each Sample.
4. Label each Sample for location and application area.

D. Product List: Use same designations indicated on Drawings and in Exterior High-Performance Coating Schedule and Interior High-Performance Coating Schedule. Include color designations and product runs (batch numbers).

1.4 MAINTENANCE MATERIAL SUBMITTALS

A. Furnish extra materials, from the same production run, (batch number) that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Coatings: 5 percent, but not less than 1 gal. of each material and color applied.

1.5 QUALITY ASSURANCE

A. Mockups: Apply mockups of each coating system indicated to verify preliminary selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.

1. Architect will select one surface to represent surfaces and conditions for application of each coating system.

   a. Wall and Ceiling Surfaces: Provide samples of at least 100 sq. ft..
   b. Other Items: Architect will designate items or areas required.

2. 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.

3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.

1. Maintain containers in clean condition, free of foreign materials and residue.
2. Remove rags and waste from storage areas daily.

1.7 FIELD CONDITIONS

A. Apply coatings only when temperature of surfaces to be coated and ambient air temperatures are between 50 and 95 deg F.

B. Do not apply coatings when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

C. Do not apply exterior coatings in snow, rain, fog, or mist.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

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

1. Behr Paint Company; Behr Process Corporation.
2. Benjamin Moore & Co.
3. Carboline Company; a subsidiary of RPM International.
4. Coronado Paint; Benjamin Moore & Co.
5. Corotech Coatings; Benjamin Moore & Co.
6. Devoe Coatings; Akzo Nobel.
7. Diamond Vogel Paints.
8. H&C® Decorative Concrete Products; a brand of Sherwin-Williams Co.
9. HEMPEL A/S.
10. International Protective Coatings.
11. PPG Paints.
12. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
13. Sherwin-Williams Company (The).
14. Tnemec Inc.

2.2 HIGH-PERFORMANCE COATINGS

A. 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.
3. Products shall be of same manufacturer for each coat in a coating system.

B. Low-Emitting Materials: For field applications that are inside the weatherproofing system, 90 percent of paints and coatings shall 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."

C. Colors: As selected by Architect from manufacturer's full range Match Architect's samples As indicated in color schedule Insert requirements.

2.3 BLOCK FILLERS

A. Latex Block Filler: Water-based, pigmented, emulsion coating with minimum of 50 percent solids by volume; formulated to bridge and fill porous surfaces of CMUs in preparation for specified intermediate and topcoat coatings:

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Behr Paint Company; Behr Process Corporation.
    b. Benjamin Moore & Co.
    c. Carboline Company; a subsidiary of RPM International.
    d. Diamond Vogel Paints.
    e. PPG Paints.
    f. Sherwin-Williams Company (The).
    g. Tnemec Inc.

B. Epoxy Block Filler: Solvent-based, two-component, epoxy, high-solids coating; formulated to bridge and fill porous surfaces of CMUs in preparation for specified intermediate and topcoat coatings:

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

a. Benjamin Moore & Co.
b. Carboline Company; a subsidiary of RPM International.
c. Devoe Coatings; Akzo Nobel.
d. Diamond Vogel Paints.
e. HEMPEL A/S.
f. PPG Paints.
g. Sherwin-Williams Company (The).
h. Tnemec Inc.

2.4 INTERIOR PRIMERS/SEALERS

A. Interior Latex Primer Sealer: Pigmented, water-based latex sealer; formulated to reduce porosity of substrate for finish coats; for use on new interior plaster, concrete, and gypsum board surfaces Not intended for use on wood or previously painted surfaces.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

a. Behr Paint Company; Behr Process Corporation.
b. Benjamin Moore & Co.
c. Devoe Coatings; Akzo Nobel.
d. Diamond Vogel Paints.
e. HEMPEL A/S.
f. PPG Paints.
g. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
h. Sherwin-Williams Company (The).
i. Tnemec Inc.

B. Wood-Knot Sealer: White shellac or other sealer recommended in writing by manufacturer for this purpose.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

a. Behr Paint Company; Behr Process Corporation.
b. Benjamin Moore & Co.
c. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
d. Sherwin-Williams Company (The).

2.5 METAL PRIMERS

A. Zinc-Rich Inorganic Primer: Corrosion-resistant, inorganic-based, zinc-rich primer; formulated for use on prepared steel that will be exposed to severe industrial or marine environments.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Carboline Company; a subsidiary of RPM International.
    b. Devoe Coatings; Akzo Nobel.
    c. HEMPEL A/S.
    d. International Protective Coatings.
    e. PPG Paints.
    f. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
    g. Sherwin-Williams Company (The).

B. Epoxy Zinc-Rich Primer: Solvent-based, multi-component, epoxy-type anti-corrosive primer; formulated for use on cleaned ferrous metal surfaces that will be exposed to moderate industrial or marine environments.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Diamond Vogel Paints.
    b. HEMPEL A/S.
    c. International Protective Coatings.
    d. PPG Paints.
    e. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
    f. Sherwin-Williams Company (The).
    g. Tnemec Inc.

C. Water-Based, Rust-Inhibitive Primer: Corrosion-resistant, water-based-emulsion primer; formulated for resistance to flash rusting when applied to cleaned, ferrous metals that will be exposed to mildly corrosive environments.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Behr Paint Company; Behr Process Corporation.
    b. Benjamin Moore & Co.
    c. Diamond Vogel Paints.
    d. HEMPEL A/S.
    e. PPG Paints.
    f. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
    g. Sherwin-Williams Company (The).
    h. Tnemec Inc.

D. Epoxy, Anti-Corrosive Primer: Solvent-based, two-component, epoxy, anti-corrosive primer; formulated for use on ferrous and galvanized metal surfaces.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Sherwin-Williams Company (The).
    b. Tnemec Inc.

E. Vinyl Wash Primer: Two-component, vinyl butyral/phosphoric acid-wash primer; for use over cleaned metal surfaces and zinc rich primers as a tie coat for subsequent priming with corrosion-resistant primers or intermediate and topcoat coatings.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. HEMPEL A/S.
    b. Sherwin-Williams Company (The).

2.6 EPOXY COATINGS

A. Epoxy, Semigloss: Solvent-based, two-component, epoxy coating; formulated for resistance to incidental splash and spillage of dilute (5 percent) sulfuric acid, (15 percent) hydrochloric acid, (20 percent) sodium hydroxide, gasoline, and heavy-duty cleaners and detergents; for use on wall and floor surfaces in moderate to heavy traffic commercial and moderate industrial environments.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Benjamin Moore & Co.
    b. Diamond Vogel Paints.
    c. Sherwin-Williams Company (The).

2. Gloss Level: Manufacturer's standard semigloss finish Gloss of 35 to 70 units at 60 degrees when tested in accordance with ASTM D523 Insert requirements.

B. Epoxy, Gloss: Solvent-based, two-component, epoxy coating; formulated resistance to incidental splash and spillage of dilute (5 percent) sulfuric acid, (15 percent) hydrochloric acid, (20 percent) sodium hydroxide, gasoline, and heavy-duty cleaners and detergents; for use on wall and floor surfaces in moderate to heavy traffic commercial and moderate industrial environments.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Diamond Vogel Paints.

b. HEMPEL A/S.
c. PPG Paints.
d. Sherwin-Williams Company (The).

2. Gloss Level: Manufacturer's standard gloss finish Gloss of 70 to 85 units at 60 degrees when tested in accordance with ASTM D523 Insert requirements.

C. High-Build Epoxy, Low Gloss: Two-component epoxy, high-solids, low-gloss coating for use on interior or exterior concrete, masonry, and primed metal surfaces.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

a. Behr Paint Company; Behr Process Corporation.
b. Carboline Company; a subsidiary of RPM International.
c. Diamond Vogel Paints.
d. Tnemec Inc.

2. Gloss Level: Manufacturer's standard semigloss finish Gloss of 35 to 70 units at 60 degrees when tested in accordance with ASTM D523 Insert requirements.

D. Interior Epoxy-Modified Latex, Semigloss: Water-based, two-component, epoxy-modified latex paint for use on masonry, gypsum board, and primed metal surfaces.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

a. Devoe Coatings; Akzo Nobel.
b. PPG Paints.
c. Tnemec Inc.

2. Gloss Level: Manufacturer's standard semigloss finish Gloss of 35 to 70 units at 60 degrees when tested in accordance with ASTM D523 Insert requirements.
3. Fineness of Grind: Manufacturer's standard Maximum fineness of pigment dispersion of six units when tested in accordance with ASTM D1210 Insert requirements.

E. Interior Epoxy-Modified Latex, Gloss: Water-based, two-component, epoxy-modified latex paint for use on masonry, gypsum board, and primed metal surfaces.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

a. Devoe Coatings; Akzo Nobel.
b. PPG Paints.
c. Sherwin-Williams Company (The).
d. Tnemec Inc.

2. Gloss Level: Manufacturer's standard gloss finish Gloss of 70 to 85 units at 60 degrees when tested in accordance with ASTM D523 Insert requirements.
3. Fineness of Grind: Manufacturer's standard Maximum fineness of pigment dispersion of six units when tested in accordance with ASTM D1210 Insert requirements.

F. Epoxy Deck Coating (Slip Resistant): Solvent-based, two-component epoxy, non-slip coating formulated for resistance to abrasion, solvents, fuel, and oils; for use on interior and exterior decks.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

a. Behr Paint Company; Behr Process Corporation.
b. Benjamin Moore & Co.
c. H&C® Decorative Concrete Products; a brand of Sherwin-Williams Co.
d. PPG Paints.
e. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
f. Sherwin-Williams Company (The).
g. Tnemec Inc.

2.7 POLYURETHANE COATINGS

A. Polyurethane, Two-Component, Pigmented, Semigloss: Solvent-based, two-component polyurethane, pigmented coating with a semigloss finish formulated for resistance to abrasion, weathering, chemical and solvent exposure, for use on interior or exterior brick, block, concrete, plaster, wood, and metal surfaces, where is required.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

a. Benjamin Moore & Co.
b. International Protective Coatings.
c. Sherwin-Williams Company (The).
d. Tnemec Inc.

2. Gloss Level: Manufacturer's standard semigloss finish Gloss of 35 to 70 units at 60 degrees when tested in accordance with ASTM D523 Insert requirements.

B. Polyurethane, Two-Component, Pigmented, Gloss: Solvent-based, two-component polyurethane, pigmented coating with a gloss finish formulated for resistance to abrasion, weathering, chemical and solvent exposure, for use on interior or exterior brick, block, concrete, plaster, wood, and metal surfaces, where is required.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Benjamin Moore & Co.
    b. International Protective Coatings.
    c. PPG Paints.
    d. Rust-Oleum Corporation; a subsidiary of RPM International, Inc.
    e. Sherwin-Williams Company (The).
    f. Tnemec Inc.

2. Gloss Level: Manufacturer's standard gloss finish Gloss of 70 to 85 units at 60 degrees when tested in accordance with ASTM D523 Insert requirements.

C. Varnish, Aliphatic Polyurethane, Two-Component: Solvent-based, two-component, aliphatic polyurethane clear coating formulated for abrasion chemical and detergent resistance. Used as a clear coating on compatible surfaces for enhanced chemical, solvent, and abrasion resistance.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. HEMPEL A/S.

2. Gloss Level: Manufacturer's standard gloss finish Gloss greater than 70 units at 60 degrees when tested in accordance with ASTM D523 Insert requirements.

D. Polyurethane Deck Coating (Slip Resistant): Solvent-based, two-component or moisture cure urethane type, non-slip coating formulated for resistance to abrasion, solvents, fuel, and oils; for interior and exterior decks.

1. Manufacturers: Subject to compliance with requirements, provide products by the following:

    a. Benjamin Moore & Co.
    b. PPG Paints.
    c. Sherwin-Williams Company (The).
    d. Tnemec Inc.

2.8 SOURCE QUALITY CONTROL

A. Testing of Coating Materials: Owner reserves the right to invoke the following procedure:

1. Owner will engage services of a qualified testing agency to sample coating materials. Contractor will be notified in advance and may be present when samples are taken. If coating materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
2. Testing agency will perform tests for compliance with product requirements.
3. Owner may direct Contractor to stop applying coatings if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying coating materials from Project site, pay for testing, and recoat surfaces coated with rejected materials. Contractor will be required to remove rejected materials from previously coated surfaces if, on recoating with complying materials, both coatings are incompatible.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.

B. Maximum Moisture Content of Substrates: When measured with an electronic moisture meter as follows:

1. Concrete: 12 percent.
2. Fiber-Cement Board: 12 percent.
3. Clay Masonry: 12 percent.
4. CMUs: 12 percent.
5. Wood: 15 percent.
6. Gypsum Board: 12 percent.
7. Plaster: 12 percent.

C. Gypsum Board Substrates: Verify that finishing compound is sanded smooth.

D. Plaster Substrates: Verify that plaster is fully cured.

E. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.

F. 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 applicable to substrates and coating systems indicated.

B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted.

1. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
2. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed.
3. Remove surface-applied protection if any.

C. Clean substrates of substances that could impair bond of coatings, including dust, dirt, oil, grease, and incompatible paints and encapsulants.

1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce coating systems indicated.

D. Steel Substrates: Remove rust, loose mill scale, and shop primer if any.

1. Clean using methods recommended in writing by manufacturer but not less than the following:

a. SSPC-SP 6/NACE No. 3.

E. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

F. Galvanized-Steel Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied coatings.

G. Aluminum Substrates: Remove loose surface oxidation.

3.3 APPLICATION

A. Apply high-performance coatings in accordance with manufacturer's written instructions.

1. Use applicators and techniques suited for coating and substrate indicated.

2. Coat surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, coat surfaces behind permanently fixed equipment or furniture with prime coat only.
3. Coat backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
4. Do not apply coatings over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.

B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of the same material are to be applied. Tint undercoats to match color of finish coat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.

C. If undercoats or other conditions show through final coat, apply additional coats until cured film has a uniform coating finish, color, and appearance.

D. Apply coatings to produce surface films without cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections. Produce sharp glass lines and color breaks.

3.4 FIELD QUALITY CONTROL

A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test coatings for dry film thickness.

1. Contractor shall touch up and restore coated surfaces damaged by testing.
2. If test results show that dry film thickness of applied coating does not comply with coating manufacturer's written instructions, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with coating manufacturer's written instructions.

3.5 CLEANING AND PROTECTION

A. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

B. Protect work of other trades against damage from coating operation. Correct damage to work of other trades by cleaning, repairing, replacing, and recoating, as approved by Architect, and leave in an undamaged condition.

C. At completion of construction activities of other trades, touch up and restore damaged or defaced coated surfaces.

3.6 EXTERIOR HIGH-PERFORMANCE COATING SCHEDULE

a.

B. Steel Substrates:

1. Epoxy System:

    a. Prime Coat: Primer, epoxy, anti-corrosive, for metal.
    b. Intermediate Coat: Epoxy, high build, low gloss.
    c. Topcoat: Epoxy, semigloss.

2. Epoxy over Self-Priming Epoxy System:

    a. Prime Coat: Epoxy, high build, self-priming.
    b. Intermediate Coat: Epoxy, matching topcoat.
    c. Topcoat: Epoxy, semigloss.

3. Epoxy Deck Coating over Epoxy Primer and High-Build Epoxy System:

    a. Prime Coat: Primer, epoxy, anti-corrosive, for metal.
    b. Intermediate Coat: Epoxy, high build, low gloss.
    c. Topcoat: Epoxy deck coating (slip resistant).

4. Epoxy Deck Coating over Self-Priming Epoxy System:

    a. Prime Coat: Epoxy, high build, self-priming.
    b. Topcoat: Epoxy deck coating (slip resistant).

5. Pigmented Polyurethane over Epoxy System:

    a. Prime Coat: Primer, epoxy, anti-corrosive, for metal.
    b. Intermediate Coat: Epoxy, gloss.
    c. First and Second Topcoat: Polyurethane, two component, pigmented, semigloss.

6. Pigmented Polyurethane over High-Build Epoxy System:

    a. Prime Coat: Primer, epoxy, anti-corrosive, for metal.
    b. Intermediate Coat: Epoxy, high build, low gloss.
    c. Topcoat: Polyurethane, two component, pigmented, semigloss.

7. Pigmented Polyurethane over Self-Priming Epoxy System:

    a. Prime Coat: Epoxy, high build, self-priming.
    b. Intermediate Coat: Polyurethane, two component, pigmented.

c. Topcoat: Polyurethane, two component, pigmented, semigloss.

8. Pigmented Polyurethane over Epoxy Zinc-Rich Primer System:

a. Prime Coat: Primer, zinc rich, epoxy.
b. Intermediate Coat: Epoxy, gloss.
c. Topcoat: Polyurethane, two component, pigmented, semigloss.

9. Pigmented Polyurethane over Epoxy Zinc-Rich Primer and High-Build Epoxy System:

a. Prime Coat: Primer, zinc rich, epoxy.
b. Intermediate Coat: Epoxy, high build, low gloss.
c. First and Second Topcoat: Polyurethane, two component, pigmented, semigloss.

10. Pigmented Polyurethane over Inorganic Zinc-Rich Primer and High-Build Epoxy System:

a. Prime Coat: Primer, zinc rich, inorganic.
b. Intermediate Coat: Epoxy, high build, low gloss.
c. Topcoat: Polyurethane, two component, pigmented, semigloss.

11. Polyurethane Non-Slip Deck Coating System:

a. Prime Coat: As recommended in writing by topcoat manufacturer.
b. Intermediate Coat: Same as topcoat.
c. Topcoat: Polyurethane deck coating (with slip-resistant aggregate).

C. Galvanized-Steel Substrates:

1. Epoxy System:

a. Prime Coat: Primer, epoxy, anti-corrosive, for metal.
b. Intermediate Coat: Epoxy, matching topcoat.
c. Topcoat: Epoxy, semigloss.

2. Pigmented Polyurethane over Epoxy Primer System:

a. Prime Coat: Primer, epoxy, anti-corrosive, for metal.
b. Intermediate Coat: Polyurethane, two component, pigmented, matching topcoat.
c. Topcoat: Polyurethane, two component, pigmented, semigloss.

3. Pigmented Polyurethane over Vinyl Wash Primer and Epoxy Primer System:

a. Prime Coat: Primer, vinyl wash.
b. Intermediate Coat: Primer, epoxy, anti-corrosive, for metal.
c. First and Second Topcoat: Polyurethane, two component, pigmented, semigloss.

D. Aluminum (Not Anodized or Otherwise Coated) Substrates:

1. Epoxy System:

a. Prime Coat: Primer, vinyl wash.
b. Intermediate Coat: Epoxy, matching topcoat.
c. Topcoat: Epoxy, semigloss.

2. Pigmented Polyurethane over Epoxy System:

a. Prime Coat: Primer, vinyl wash.
b. Intermediate Coat: Primer, epoxy, anti-corrosive, for metal.
c. First and Second Topcoat: Polyurethane, two component, pigmented, semigloss.

E. Copper Substrates:

1. Epoxy System:

a. Prime Coat: Primer, vinyl wash.
b. Intermediate Coat: Epoxy, matching topcoat.
c. Topcoat: Epoxy, semigloss.

2. Pigmented Polyurethane over Epoxy System:

a. Prime Coat: Primer, vinyl wash.
b. Intermediate Coat: Primer, epoxy, anti-corrosive, for metal.
c. First and second Topcoat: Polyurethane, two component, pigmented, semigloss.

F. Stainless Steel Substrates:

1. Epoxy System:

a. Prime Coat: Primer, epoxy, anti-corrosive, for metal.
b. Intermediate Coat: Epoxy, matching topcoat.
c. Topcoat: Epoxy, semigloss.

2. Pigmented Polyurethane System:

a. Prime Coat: Primer, vinyl wash.
b. Intermediate Coat: Primer, epoxy, anti-corrosive, for metal.
c. First and Second Topcoat: Polyurethane, two component, pigmented, semigloss.

3.7 INTERIOR HIGH-PERFORMANCE COATING SCHEDULE

A. Gypsum Board Plaster Substrates:

1. Epoxy System:

    a. Prime Coat: Primer sealer, latex, interior.
    b. Intermediate Coat: Epoxy, matching topcoat.
    c. Topcoat: Epoxy, gloss.

2. Epoxy, High-Build System:

    a. Prime Coat: Primer sealer, latex, interior.
    b. Intermediate Coat: High-build epoxy, matching topcoat.
    c. Topcoat: High-build epoxy, low gloss.

3. Epoxy-Modified Latex System:

    a. Prime Coat: Primer sealer, latex, interior.
    b. Intermediate Coat: Epoxy-modified latex, matching topcoat.
    c. Topcoat: Epoxy-modified latex, gloss.

END OF SECTION