

SECTION 09 96 00

HIGH PERFORMANCE COATINGS

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes surface preparation and field application of interior and exterior high-performance coatings for the following substrates:

** NOTE TO SPECIFIER: Add or remove substrates according to requirements of the project.

- 1. Exterior surfaces:
 - a. Steel.
 - b. Galvanized Metal.
 - c. Aluminum.
 - d. Pre-Cast Concrete.
 - e. Concrete Masonry Units (CMU).
- 2. Interior surfaces:
 - a. Steel.
 - b. Galvanized Metal.
 - c. Aluminum.
 - d. Pre-Cast Concrete.
 - e. Concrete Masonry Units (CMU).
 - f. Gypsum Board.

1.3 RELATED SECTIONS

- A. Section 02700 – Bases, Ballasts, Pavements and Appurtenances: Traffic marking paint.
- B. Section 05120 – Structural Steel: Shop priming.
- C. Section 05500 – Metal Fabrications: Shop priming.
- D. Section 06200 – Finish Carpentry: Back priming of trim.
- E. Section 09960 – High Performance Coatings.
- F. Section 15075 – Mechanical Identification: Markers and color-coding scheme
- G. Section 16075 – Electrical Identification: Markers and color-coding scheme

1.4 REFERENCES

- A. ASTM D 16 – Terminology Relating to Paint, Varnish, Lacquer, and Related Products.
- B. SSPC-SP 1 – Solvent Cleaning, 1982.
- C. SSPC-SP 2 – Hand Tool Cleaning, 1982.

- D. SSPC-SP 3 – Power Tool Cleaning, 1982.
- E. SSPC-SP 6 – Commercial Blast Cleaning, 2000.
- F. SSPC-SP 7 – Brush-Off Blast Cleaning, 2000.
- G. SSPC-SP 10 – Near-White Blast Cleaning, 2000.
- H. SSPC-SP 13 – Surface Preparation of Concrete, 1997.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Submit both a material list and manufacturer's data sheet for each paint system indicated. Include information for all primers, undercoats and blockfillers.
- C. Selection Samples: Provide two sets of color chips representing manufacturer's full range of colors.
- D. Verification Samples: Provide two samples six (6) inches square of actual product, color and sheen for each painting system specified. Samples shall include primers, sealers or blockfillers, and apply each coat stepped, defining each separate coat.
- E. Application Instructions: Provide coating manufacturer's printed application instructions for each product, including product storage and surface preparation instructions.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacture of products specified in this Section for a minimum of ten (10) years.
- B. Applicator Qualifications: Company experienced in applying paints and coatings similar to those specified in this Section with a minimum of five (5) years documented experience.
- C. Source Limitations: Provide materials from the same manufacturer for each specified paint system.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Deliver products to site in manufacturer's original, sealed, and labeled container. Manufacturer's label shall include the following information:
 - 1. Product name
 - 2. Product code number
 - 3. Product lot number
 - 4. Application instructions
 - 5. Surface preparation instructions
 - 6. Cleanup requirements
 - 7. Color designation
 - 8. Thinning instructions
- B. Store materials until use according to manufacturer's instructions in a well-ventilated area.

- C. Store and dispose of solvent-based materials in accordance with requirements of local authorities having jurisdiction over project.

1.8 PROJECT CONDITIONS

- A. Apply coatings only when environmental conditions recommended by the manufacturer are met.
- B. Do not apply coatings in snow, rain, fog or mist, or when temperatures are less than 5 degrees F above the dew point. Do not apply materials to damp or wet surfaces.
- C. During application of coating materials, mark areas with "Wet Paint" signs.

1.9 EXTRA MATERIALS

- A. Furnish for each product, color and finish specified 2 gallons of coating material, in sealed 1-gallon containers, clearly marked with color and manufacturer's label.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Diamond Vogel (DV), 1110 Albany Place SE, Orange City, IA 51041 Telephone: (712) 737-2852. www.diamondvogel.com
- [B. Requests for substitution will be considered in accordance with Section 01600 – Product Requirements.]
- [C. Substitutions: Not permitted.]

2.2 MATERIALS

- A. High-Performance Coatings – General:
 - 1. Provide factory mixed coatings, except for field-catalyzed coatings. When required, mix coatings according to manufacturer's instructions prior to application. Do not dilute or thin coatings, except as recommended by manufacturer.
 - 2. Do not add additives, except as instructed by manufacturer.
 - 3. For opaque finishes, tint each coat, including primer coat one half lighter shade than succeeding coat, with final finish coat being the specified shade.
 - 4. Colors: To be selected from manufacturer's full range of high-performance coating's colors.
- B. Accessory Materials: Provide materials necessary to achieve finishes specified including but not limited to thinners, cleaning agents and sanding aides as recommended by coating manufacturer.

2.3 BLOCK FILLERS

- A. Acrylic Epoxy Block Filler:
 - 1. VOC Content: 118 grams per liter.
 - 2. Dry Film Thickness per Coat: 5.0 to 15.0 mils.

3. Product: DV Pinnacle Protective Coatings Vers-E-Poxy 100 Acrylic Epoxy Block Filler.

B. High-Performance Acrylic Block Filler:

1. VOC Content: 105 grams per liter.
2. Dry Film Thickness per Coat: 5.0 to 15.0 mils.
3. Product: DV Pinnacle Protective Coatings Permafil High Performance Acrylic Block Filler.

2.4 PRIMERS

A. Alkyd Metal Primer:

1. VOC Content: 450 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Product: DV Pinnacle Protective Coatings Cote-All Universal Alkyd Primer.

B. Fast Dry Universal Primer:

1. VOC Content: 422 grams per liter.
2. Dry Film Thickness per Coat: 3.0 to 4.0 mils.
3. Product: DV Pinnacle Protective Coatings Iron Prime 600 Fast Dry Universal Primer.

C. Acrylic Maintenance Primer:

1. VOC Content: 91 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Product: DV Pinnacle Protective Coatings Vers-Acryl 200 Acrylic Maintenance Primer/Finish.

D. Hi-Build Epoxy Primer:

1. VOC Content: 333 grams per liter.
2. Dry Film Thickness per Coat: 4.0 to 6.0 mils.
3. Product: DV Pinnacle Protective Coatings Mult-E-Prime 500 Hi-Build Epoxy Primer.

E. Epoxy Concrete Primer/Sealer:

1. VOC Content: 489 grams per liter.
2. Dry Film Thickness per Coat: 1.0 to 2.0 mils.
3. Product: DV Pinnacle Protective Coatings Mult-E-Prime 505 Clear Concrete Epoxy Primer/Sealer

F. Zinc Dust Primer:

1. VOC Content: 445 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Product: DV Pinnacle Protective Coatings Endura-Zinc 700 Metallic Zinc Dust Metal Primer.

G. Organic Zinc Rich Epoxy Ester Primer:

1. VOC Content: 470 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.5 mils.

3. Product: DV Pinnacle Protective Coatings Endura-Zinc 705 Organic Zinc Rich Epoxy Ester Primer.

H. Organic Zinc Rich Epoxy Primer:

1. VOC Content: 288 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.5 mils.
3. Product: DV Pinnacle Protective Coatings Endura-Zinc 768 3K Organic Zinc Rich Epoxy Primer.

I. Epoxy Mastic:

1. VOC Content: 183 grams per liter.
2. Dry Film Thickness per Coat: 5.0 to 8.0 mils.
3. Product: DV Pinnacle Protective Coatings Mult-E-Poxy 180 Epoxy Mastic.

2.5 ALKYD FINISHES

A. Gloss Alkyd Enamel:

1. VOC Content: 450 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Finish/Sheen: 85+ at 60 degrees.
4. Product: DV Pinnacle Protective Coatings Cote-All Multi-Purpose Gloss Alkyd Enamel.

B. Aluminum Gloss Alkyd Enamel:

1. VOC Content: 416 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Product: DV Pinnacle Protective Coatings Cote-All Aluminum.

C. Aluminum Hi-Heat Silicone Alkyd Enamel:

1. VOC Content: 524 grams per liter.
2. Dry Film Thickness per Coat: 0.75 to 1.0 mils.
3. Finish/Sheen: 40 to 45 at 60 degrees.
4. Product: DV Pinnacle Protective Coatings Cote-All Hi-Heat Silicone Aluminum.

D. Alkyd Dry Fall Flat:

1. VOC Content: 344 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Finish/Sheen: 0 to 5 at 85 degrees.
4. Light Reflectance (White): 83 percent.
5. Product: DV Pinnacle Protective Coatings Luminance 325 Alkyd Dri-Mist Flat.

E. Alkyd Dry Fall Semi-Gloss:

1. VOC Content: 370 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Finish/Sheen: 10 to 20 at 60 degrees.
4. Light Reflectance (White): 82 percent.
5. Product: DV Pinnacle Protective Coatings Luminance 350 Alkyd Dri-Mist Semi-Gloss.

2.6 ACRYLIC FINISHES

A. High Performance Acrylic Maintenance Latex Flat Finish:

1. VOC Content: 91 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Finish/Sheen: 5 to 15 at 85 degrees.
4. Product: DV Pinnacle Protective Coatings Vers-Acryl 200 Acrylic Maintenance Primer/Finish.

B. High Performance Acrylic Maintenance Latex Mid-Sheen Finish:

1. VOC Content: 91 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Finish/Sheen: 10 to 20 at 60 degrees.
4. Product: DV Pinnacle Protective Coatings Vers-Acryl 203 Acrylic Maintenance Primer/Finish Mid-Sheen

C. High Performance Acrylic Latex Semi-Gloss Finish:

1. VOC Content: 205 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
3. Finish/Sheen: 65 to 75 at 60 degrees.
4. Product: DV Pinnacle Protective Coatings Vers-Acryl 222 Acrylic Maintenance Finish Semi-Gloss.

2.7 LATEX FINISHES

A. Latex Dry Fall Flat:

1. VOC Content: 19 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 2.5 mils.
3. Finish/Sheen: 0 to 10 at 85 degrees.
4. Light Reflectance (White): 88.5 percent.
5. Product: DV Pinnacle Protective Coatings Luminance 300 Latex Dri-Mist Flat.

B. Latex Dry Fall Semi-Gloss:

1. VOC Content: 1.2 grams per liter.
2. Dry Film Thickness per Coat: 2.0 to 2.5 mils.
3. Finish/Sheen: 15 to 20 at 60 degrees.
4. Light Reflectance (White): 88.5 percent.
5. Product: DV Pinnacle Protective Coatings Luminance 303 Latex Dri-Mist Semi-Gloss.

2.8 EPOXY FINISHES

A. Epoxy Mastic:

1. VOC Content: 183 grams per liter.
2. Dry Film Thickness per Coat: 5.0 to 8.0 mils.
3. Finish/Sheen: 45 to 55 at 60 degrees.
4. Product: DV Pinnacle Protective Coatings Mult-E-Poxy 180 Epoxy Mastic.

- B. Gloss Polyamide Epoxy:
 - 1. VOC Content: 440 grams per liter.
 - 2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
 - 3. Finish/Sheen: 90+ at 60 degrees.
 - 4. Product: DV Pinnacle Protective Coatings Mult-E-Poxy 240 Gloss Polyamide Epoxy.
- C. Semi-Gloss Waterborne Acrylic Epoxy:
 - 1. VOC Content: 122 grams per liter.
 - 2. Dry Film Thickness per Coat: 2.0 to 2.5 mils.
 - 3. Finish/Sheen: 25 to 30 at 60 degrees.
 - 4. Product: DV Pinnacle Protective Coatings Vers-E-Poxy 131 Waterborne Acrylic Epoxy Finish.
- D. Gloss Waterborne Acrylic Epoxy:
 - 1. VOC Content: 135 grams per liter.
 - 2. Dry Film Thickness per Coat: 2.0 to 2.5 mils.
 - 3. Finish/Sheen: 70+ at 60 degrees.
 - 4. Product: DV Pinnacle Protective Coatings Vers-E-Poxy 131 Waterborne Acrylic Epoxy Finish.

2.9 POLYURETHANE FINISHES:

- A. High Solids Acrylic Polyurethane:
 - 1. VOC Content: 348 grams per liter.
 - 2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
 - 3. Finish/Sheen: 85 to 95 at 60 degrees.
 - 4. Product: DV Pinnacle Protective Coatings Multi-Thane 330 Hi-Solids Acrylic Polyurethane.
- B. Moisture Cure Urethane Sealer:
 - 1. VOC Content: 400 grams per liter.
 - 2. Dry Film Thickness per Coat: 2.0 to 3.0 mils.
 - 3. Product: DV Pinnacle Protective Coatings Miracle Glaze Moisture Cure Urethane Sealer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces and substrates are free of surface imperfections and containments that could inhibit performance or appearance of coatings. Report immediately any condition that may affect coating application, performance or appearance prior to starting any work.
- B. Test shop applied primers for compatibility with subsequent primers or finish systems.
- C. Ensure substrates' moisture content is within tolerances recommended by coating manufacturer prior to application of coatings.
- D. Ensure concrete and masonry surfaces' pH level is within tolerances recommended by coating manufacturer prior to application of coatings.

3.2 PREPARATION

- A. Do not apply coatings until substrates are free of conditions that will inhibit proper coating adhesion or appearance.
- B. Immediately prior to application of coating, remove all dust, dirt, and other foreign matter from substrate.
- C. Stains and Marks: Remove completely if possible with products recommended by the coating manufacturer. If removal is not possible or not feasible, spot-prime areas with a stain-blocking primer recommended by coating manufacturer.
- D. Aluminum Surfaces: Remove surface contamination or passivators by scrubbing with cleaning and etching solution recommended by coating manufacturer.
- E. Concrete and Masonry Surfaces: Remove all dirt, dust, efflorescence, wax, oil, grease, chalk and any other contamination that may interfere with coating adhesion. Level all surface projections and mortar spatters by stoning. Rake mortar joints clean and remove all soluble salts. New concrete must cure for a minimum of 30 days at 72 degrees Fahrenheit prior to coating application.
- F. Concrete Floor: Remove all surface contamination. Provide acid-etch of substrate according to instructions from coating manufacturer.
- G. Galvanized Surfaces: Remove surface contamination and passivators by scrubbing with cleaning and etching solution recommended by coating manufacturer.
- H. Gypsum Board Surfaces: Fill imperfections with spackling compound and allow to dry. Spot-prime imperfections after repair with primer recommended by coating manufacturer.
- I. Uncoated Ferrous Metal Surfaces: Abrasive blast new steel to SSPC-SP-6. Use proper abrasive to achieve an average of 1.5 - 2.0-mil blast profile. Blasted surfaces must be primed before flash rusting occurs. If blasting is impractical, remove loose rust and mill scale with hand or power abrading tools as per SSPC-SP-2 and SSPC-SP-3.
- J. Shop-Primed Ferrous Metal Surfaces: Power or hand-wash to remove contamination. If oil or grease is present, use a cleaner/degreaser recommended by coating manufacturer. Remove all loose coatings, rust and corrosion by scraping, sanding or other abrading method as per SSPC-SP-2 and SSPC-SP-3. Use sandpaper to dull slick, glossy or non-porous surfaces.
- K. Doors: Seal top and bottom of door with sealer recommended by coating manufacturer.
- L. Existing Surfaces:
 - 1. Degloss previous coatings by method recommended by coating manufacturer. Remove surface irregularities by scraping or sanding to product uniform substrate.
 - 2. Cease surface preparation and report immediately if presence of lead in existing coatings is suspected.

3.3 APPLICATION

- A. Apply each coat to uniform coating thickness recommended by coating manufacturer.
- B. Apply materials to provide total color and sheen uniformity on all surfaces, regardless of number coats that might be required.
- C. Allow each coat to dry thoroughly before application of next coat. Ensure proper coating adhesion of each coat prior to application of next coat.
- D. Remove dust, debris and other foreign materials from substrate prior to applying each coat.
- E. Produce finish free from shadows, roller shading, roller tailing, sags or hat banding.
- F. Contractor will be responsible for damage due to application of coatings to surfaces not scheduled for painting.

3.4 CLEANING

- A. Remove spills, spatters, and paint from all surfaces not scheduled for painting.
- B. Collect material that may create a fire hazard and store in metal bucket. Remove from premises on a daily basis.

3.5 EXTERIOR SCHEDULE

A. Steel

1. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Solids Acrylic Polyurethane.
2. Epoxy/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
3. Alkyd/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an alkyd primer.
 - [a. Primer: Alkyd Metal Primer.]
 - [a. Primer: Fast Dry Universal Primer.]
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
4. Acrylic/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an acrylic primer.
 - a. Primer: Acrylic Maintenance Primer.

- b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
 - 5. Hi-Heat Silicone Alkyd System: Provide 2 coats.
 - a. Primer/Finish: Aluminum Hi-Heat Silicone Alkyd Enamel.
- B. Galvanized Metal
- 1. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Solids Acrylic Polyurethane.
 - 2. Epoxy/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
 - 3. Modified Alkyd/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an alkyd primer.
 - a. Primer: Fast Dry Universal Primer.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
 - 4. Acrylic/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an acrylic primer.
 - a. Primer: Acrylic Maintenance Primer.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
- C. Aluminum
- 1. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Solids Acrylic Polyurethane.
 - 2. Epoxy/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
 - 3. Modified Alkyd/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an alkyd primer.

- a. Primer: Fast Dry Universal Primer.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
- 4. Acrylic/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an acrylic primer.
 - a. Primer: Acrylic Maintenance Primer.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
- D. Uncoated Poured Concrete
 - 1. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
 - a. Primer: Epoxy Mastic.
 - b. Finish: High Solids Acrylic Polyurethane.
 - 2. Epoxy/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an epoxy primer.
 - a. Primer: Epoxy Mastic.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
 - 3. Acrylic/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an acrylic primer.
 - a. Primer: Acrylic Maintenance Primer.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
- E. Uncoated Porous Concrete and Concrete Block
 - 1. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
 - a. Primer: Epoxy Mastic.
 - b. Finish: High Solids Acrylic Polyurethane.
 - 2. Epoxy Block Filler/Gloss Urethane System: Provide 2 coats of finish over an epoxy block filler.
 - a. Block Filler: Acrylic Epoxy Block Filler.
 - b. Finish: High Solids Acrylic Polyurethane.
 - 3. Acrylic Block Filler/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats over an acrylic block filler.
 - a. Block Filler: High Performance Acrylic Block Filler.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.

3.6 INTERIOR SCHEDULE

A. Steel

1. Epoxy/[Semi-Gloss] [Gloss] Epoxy System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - [b. Finish: Epoxy Mastic.]
 - [b. Finish: Gloss Polyamide Epoxy.]

2. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Solids Acrylic Polyurethane.

3. Epoxy/ [Semi-Gloss] [Gloss] Acrylic Epoxy System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: [Semi-Gloss] [Gloss] Waterborne Acrylic Epoxy.

4. Epoxy/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.

5. Alkyd/Gloss Alkyd System: Provide 2 coats of finish over an alkyd primer.
 - [a. Primer: Alkyd Metal Primer.]
 - [a. Primer: Fast Dry Universal Primer.]
 - b. Finish: Gloss Alkyd Enamel.

6. Alkyd/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an alkyd primer.
 - [a. Primer: Alkyd Metal Primer.]
 - [a. Primer: Fast Dry Universal Primer.]
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.

7. Acrylic/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an acrylic primer.
 - a. Primer: Acrylic Maintenance Primer.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.

8. Hi-Heat Silicone Alkyd System: Provide 2 coats.
 - a. Primer/Finish: Aluminum Hi-Heat Silicone Alkyd Enamel.

9. Alkyd [Flat] [Semi-Gloss] Dry Fall System: Provide coat of finish over pre-primed metal.
 - a. Finish: Alkyd Dry Fall [Flat][Semi-Gloss].
 10. Latex [Flat] [Semi-Gloss] Dry Fall System: Provide coat of finish over pre-primed metal.
 - a. Finish: Latex Dry Fall [Flat] [Semi-Gloss].
- B. Galvanized Metal.
1. Epoxy/[Semi-Gloss] [Gloss] Epoxy System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - [b. Finish: Epoxy Mastic.]
 - [b. Finish: Gloss Polyamide Epoxy.]
 2. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Solids Acrylic Polyurethane.
 3. Epoxy/ [Semi-Gloss] [Gloss] Acrylic Epoxy System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: [Semi-Gloss] [Gloss] Waterborne Acrylic Epoxy.
 4. Epoxy/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an epoxy primer.
 - [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
 5. Modified Alkyd/Gloss Alkyd System: Provide 2 coats of finish over an alkyd primer.
 - a. Primer: Fast Dry Universal Primer.
 - b. Finish: Gloss Alkyd Enamel.
 6. Acrylic/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an acrylic primer.
 - a. Primer: Acrylic Maintenance Primer.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
 7. Acrylic/[Semi-Gloss] [Gloss] Acrylic Epoxy System: Provide 2 coats of finish over an acrylic primer.

- a. Primer: Acrylic Maintenance Primer.
 - b. Finish: [Semi-Gloss] [Gloss] Waterborne Acrylic Epoxy.
8. Latex [Flat] [Semi-Gloss] Dry Fall System: Provide coat of finish over pre-primed metal.
- a. Finish: Latex Dry Fall [Flat] [Semi-Gloss].
- C. Aluminum.
1. Epoxy/[Semi-Gloss] [Gloss] Epoxy System: Provide 2 coats of finish over an epoxy primer.
- [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - [b. Finish: Epoxy Mastic.]
 - [b. Finish: Gloss Polyamide Epoxy.]
2. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
- [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Solids Acrylic Polyurethane.
3. Epoxy/ [Semi-Gloss] [Gloss] Acrylic Epoxy System: Provide 2 coats of finish over an epoxy primer.
- [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: [Semi-Gloss] [Gloss] Waterborne Acrylic Epoxy.
4. Epoxy/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an epoxy primer.
- [a. Primer: Epoxy Mastic.]
 - [a. Primer: Hi-Build Epoxy Primer.]
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
5. Modified Alkyd/Gloss Alkyd System: Provide 2 coats of finish over an alkyd primer.
- a. Primer: Fast Dry Universal Primer.
 - b. Finish: Gloss Alkyd Enamel.
6. Acrylic/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an acrylic primer.
- a. Primer: Acrylic Maintenance Primer.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
7. Acrylic/[Semi-Gloss] [Gloss] Acrylic Epoxy System: Provide 2 coats of finish over an acrylic primer.
- a. Primer: Acrylic Maintenance Primer.

- b. Finish: [Semi-Gloss] [Gloss] Waterborne Acrylic Epoxy.
 - 8. Latex [Flat] [Semi-Gloss] Dry Fall System: Provide coat of finish over pre-primed metal.
 - a. Finish: Latex Dry Fall [Flat] [Semi-Gloss].
- D. Uncoated Concrete/Masonry.
 - 1. Epoxy/[Semi-Gloss] [Gloss] Epoxy System: Provide 2 coats of finish over an epoxy primer.
 - a. Primer: Epoxy Mastic.
 - [b. Finish: Epoxy Mastic.]
 - [b. Finish: Gloss Polyamide Epoxy.]
 - 2. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
 - a. Primer: Epoxy Mastic.
 - b. Finish: High Solids Acrylic Polyurethane.
 - 3. Acrylic/[Semi-Gloss] [Gloss] Acrylic Epoxy System: Provide 2 coats of finish over an acrylic primer.
 - a. Primer: Acrylic Maintenance Primer.
 - b. Finish: [Semi-Gloss] [Gloss] Waterborne Acrylic Epoxy.
 - 4. Acrylic/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an acrylic primer.
 - a. Primer: Acrylic Maintenance Primer.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.
- E. Uncoated Porous Concrete/Concrete Block.
 - 1. Epoxy/[Semi-Gloss] [Gloss] Epoxy System: Provide 2 coats of finish over an epoxy primer.
 - a. Primer: Epoxy Mastic.
 - [b. Finish: Epoxy Mastic.]
 - [b. Finish: Gloss Polyamide Epoxy.]
 - 2. Epoxy/Gloss Urethane System: Provide 2 coats of finish over an epoxy primer.
 - a. Primer: Epoxy Mastic.
 - b. Finish: High Solids Acrylic Polyurethane.
 - 3. Epoxy Block Filler/[Semi-Gloss] [Gloss] Epoxy System: Provide 2 coats of finish over an epoxy block filler.
 - a. Block Filler: Acrylic Epoxy Block Filler.
 - [b. Finish: Epoxy Mastic.]
 - [b. Finish: Gloss Polyamide Epoxy.]

4. Epoxy Block Filler/Gloss Urethane System: Provide 2 coats of finish over an epoxy block filler.
 - a. Block Filler: Acrylic Epoxy Block Filler.
 - b. High Solids Acrylic Polyurethane.
5. Epoxy Block Filler/[Semi-Gloss] [Gloss] Acrylic Epoxy System: Provide 2 coats of finish over an acrylic primer.
 - a. Block Filler: Acrylic Epoxy Block Filler.
 - b. Finish: [Semi-Gloss] [Gloss] Waterborne Acrylic Epoxy.
6. Acrylic Block Filler/[Semi-Gloss] [Gloss] Acrylic Epoxy System: Provide 2 coats of finish over an acrylic primer.
 - a. Block Filler: High-Performance Acrylic Block Filler.
 - b. Finish: [Semi-Gloss] [Gloss] Waterborne Acrylic Epoxy.
7. Acrylic Block Filler/[Flat] [Mid-Sheen] [Semi-Gloss] Acrylic System: Provide 2 coats of finish over an acrylic primer.
 - a. Block Filler: High-Performance Acrylic Block Filler.
 - b. Finish: High Performance Acrylic Maintenance Latex [Flat] [Mid-Sheen] [Semi-Gloss] Finish.

END OF SECTION