SECTION 09900

PAINTS AND COATINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Use products specified in this section to finish all surfaces exposed to view, unless otherwise indicated, including but not limited to the following:
   1. Interior wall and ceiling surfaces.
   2. Interior wood doors and woodwork.
   3. Interior concrete floors.
   4. Opening frames and trim.
   5. Exterior plaster and stucco.
   6. Exterior wood.
   7. Exterior concrete and concrete masonry.
   8. Exterior metal items.
      a. Finish aluminum, stainless steel, copper, and bronze only if specifically indicated to receive field finish.
   9. Roof flashings, trim, roof accessories, rain drainage accessories.
   10. Roof-mounted equipment, piping, ductwork, brackets, and hangers.
   11. Access and equipment cabinets.
   12. Mechanical piping, hangers, and supports.
   13. Heating, air conditioning, and ventilating ductwork, hangers, supports, louvers, and grilles.
   14. Electrical conduit, junction boxes, and other equipment.
   15. All shop-primed items.

B. Paint pavement markings on parking lot.

C. Do not paint the following:
   1. Items specified or provided with factory finish.
   2. Items indicated to receive other finish.
   3. Items indicated to remain naturally finished.
   4. Brick, precast concrete, integrally colored plaster.
   5. Concrete masonry in utility, mechanical, and electrical spaces.
   6. Stainless steel, anodized aluminum, bronze, terne, or lead.
   7. Equipment nameplates, fire rating labels, and operating parts of equipment.
   8. Acoustical materials.

9. Concealed piping, ductwork, and conduit.

D. Materials and products having factory-applied primer are not considered factory finished.

E. For paint systems, see Schedules at end of Section.
F. For colors, see Finish Schedule on Drawings, except for colors for mechanical and electrical color coding.

1.2 RELATED SECTIONS

A. Section 05120 - Structural Steel: Shop priming.

B. Section 05500 - Metal Fabrications: Shop priming.

C. Section 06200 - Finish Carpentry: Back priming of trim.

D. Section 09960 - High-Performance Coatings.

E. Section 15075 - Mechanical Identification: Markers and color coding scheme.

F. Section 16075 - Electrical Identification: Markers and color coding scheme.

1.3 REFERENCES

A. ANSI A13.1 - Scheme for the Identification of Piping Systems.

B. ANSI Z535.1 - Safety Color Code.

C. ASTM D 16 - Standard Terminology Relating to Paint, Varnish, Lacquer, and Related Products.

1.4 DEFINITIONS

A. Conform to definitions of terms in ASTM D 16 in interpreting requirements of this specification section.

1.5 SUBMITTALS

A. Submit under provisions of Section 01300.

B. Product Data: Manufacturer's descriptive literature for coating materials and coating application accessories.

C. Selection Samples: For each finish coating specified, two sets of color chips representing manufacturer's full range of available colors and finishes.

D. Verification Samples: Two samples, minimum size 6 inches (152 mm) square, representing actual color and finish of each finish coating type, color, and finish to be applied.

E. Manufacturer's printed application instructions for each product, including product storage requirements and surface preparation requirements.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacture of coatings of quality specified with minimum of 10 years experience.

B. Installer Qualifications: Company specializing in commercial painting and finishing with three years documented experience and approved by the coating manufacturer.

1.7 DELIVERY, STORAGE, AND HANDLING

A. Store products of this section in manufacturer's unopened packaging until installation.

B. Establish and maintain storage area conditions for products of this section in accordance with manufacturer's instructions until installation.

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

1.8 PROJECT CONDITIONS

A. Do not apply coatings to exterior surfaces except under environmental conditions recommended by coating manufacturer.

B. Establish and maintain environmental conditions recommended by coating manufacturer before, during, and after application of coatings to interior surfaces.

C. During application of coating materials, post "WET PAINT" signs.

D. During application of solvent-based materials, post "NO SMOKING" signs.

1.9 SEQUENCING

A. Do not allow application of finish coats in an area until moisture-producing construction activities, dust-producing construction activities, and other construction activities which could impair performance or appearance of finish coatings, have been completed in that area.

1.10MAINTENANCE

A. Extra Materials: Supply for each finish coating material, color, and finish specified two gallons (7.75 L) of coating material, in sealed 1-gallon (3.875 L) containers, marked with color and finish identification.

B. Custom Colors: Provide details of color formula and product availability.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Acceptable Manufacturer: Duron, Inc., 10406 Tucker Street, Beltsville, MD 20705. ASD. Tel: (800) 723-8766, ext. 3400. Fax: (301) 595-0429.
B. Requests for substitution will be considered in accordance with provisions of Section 01600.

C. Substitutions: Not permitted.
D. Unless otherwise specified for an individual product or material, supply all products specified in this section from the same manufacturer.

2.2 MATERIALS

A. Paints and Coatings - General:
1. Acceptable products: Indicated in Schedules at the end of this section.
2. Unless otherwise indicated, provide factory-mixed coatings. When required, mix coatings to correct consistency in accordance with manufacturer's

instructions before application. Do not dilute or thin coatings, except as instructed.
3. Do not add additives, except as instructed or recommended by coating manufacturer.
4. For opaque finishes, tint each coat, including primer coat and intermediate coats, one-half shade darker than succeeding coat, with final finish coat as base color.
5. Supply each coating material in quantity required for this section from a single production run.
6. Colors: Indicated on drawings.
7. Colors: To be selected by Architect from manufacturer's full range of available colors.

B. Coating Application Accessories: Specified in this section or in coating manufacturer's application instructions, including but not limited to thinners, sealers, primers, cleaning agents, etching agents, cleaning cloths, sanding materials, and clean-up materials.

PART 3 EXECUTION

3.1 EXAMINATION

A. Immediately prior to coating application, ensure that surfaces to receive coatings are dry.

B. Ensure that moisture-retaining substrates to receive coatings have moisture content within tolerances allowed by coating manufacturer, using moisture measurement techniques recommended by coating manufacturer.

C. Immediately prior to coating application, examine surfaces to receive coatings for surface imperfections and for contaminants which could impair performance or appearance of coatings, including but not limited to, loose primer, rust, scale, oil, grease, mildew, algae, or fungus, stains or marks, cracks, indentations, or abrasions.

D. Correct the above conditions and other conditions which could impair performance or appearance of coatings in accordance with specified surface preparation procedures before proceeding with coating application.

3.2 PREPARATION

A. Do not start work until surfaces to be finished are in proper condition to produce finished surfaces of uniform, satisfactory appearance.

B. Stains and Marks: Remove completely, if possible, using materials and methods recommended by coating manufacturer; cover stains and marks which cannot be completely removed with isolating primer or sealer recommended by coating manufacturer to prevent bleed-through.

C. Mildew, Algae, and Fungus: Remove using materials and methods recommended by coating manufacturer.

D. Remove dust and loose particulate matter from surfaces to receive coatings immediately prior to coating application.

E. Remove or protect hardware, electrical equipment plates, mechanical grilles and louvers, lighting fixture trim, and other items not indicated to receive coatings which are adjacent to surfaces to receive coatings.

F. Disconnect equipment adjacent to surfaces indicated to receive coatings.

G. Move equipment and fixtures adjacent to surfaces indicated to receive coatings to allow application of coatings.

H. Protect surfaces not indicated to receive coatings which are adjacent to surfaces indicated to receive coatings.

I. Do not allow coatings on surfaces not indicated to receive them.

J. Prepare surfaces in accordance with manufacturer's instructions for specified coatings and indicated materials, using only methods and materials recommended by coating manufacturer, and as follows:

K. Existing Coatings:
   1. Remove surface irregularities by scraping or sanding to produce uniform substrate for coating application; apply one coat primer of type recommended by coating manufacturer for maximum coating adhesion.
   2. If presence of lead in existing coatings is suspected, cease surface preparation of existing coating and notify Architect immediately.

L. For Pavement Markings on Bituminous Materials: Remove foreign materials which could impair coating performance or appearance; apply primer of type recommended by coating manufacturer for maximum coating adhesion.

M. Concrete and Concrete Masonry: Clean surfaces free of loose particles, sand, efflorescence, laitance, form oil, curing compounds, and other substances which could impair coating performance or appearance.

N. Concrete Floors: Remove contaminants which could impair coating performance or appearance, acid-etch, flush with clean water; verify alkaline-acid balance recommended by coating manufacturer; mechanically abrade surface, if required, to achieve medium-sandpaper texture.

O. Restored Masonry Surfaces: Clean surfaces free of loose particles, sand, efflorescence, laitance, cleaning compounds, and other substances which could impair coating performance or appearance.

P. Ferrous Metals, Unprimed: Remove rust or scale, if present, by wire brush cleaning, power tool cleaning, or sandblast cleaning; remove grease, oil, and other contaminants which could impair coating performance or appearance by solvent cleaning, with phosphoric-acid solution cleaning of welds, bolts and nuts; spot-prime repaired welds with specified primer.

Q. Ferrous Metals, Shop-Primed: Remove loose primer and rust, if present, by scraping and sanding, feathering edges of cleaned areas to produce uniform flat surface; solvent-clean surfaces and spot-prime bare metal with specified primer, feathering edges to produce uniform flat surface.

R. Galvanized Steel: Wipe down surfaces using clean, lint-free cloths saturated with mineral spirits or lacquer thinner; wipe dry using clean, lint-free cloths.

S. Mill-Finish Aluminum: Etch surfaces with phosphoric acid-water solution, flush with clean water and allow to dry, before applying primer coat.

T. Copper: Clean surfaces by pressurized steam, pressurized water, or solvent washing.

U. Stainless Steel: Clean surfaces by pressurized steam, pressurized water, or solvent washing.

V. Wood:
   1. Seal knots, pitch streaks, and sap areas with sealer recommended by coating manufacturer; fill nail recesses and cracks with filler recommended by coating manufacturer; sand surfaces smooth.
   2. Apply primer coat to back of wood trim and paneling.

W. Doors: Prior to finishing, apply additional primer or sealer coat to door tops and bottoms.

X. Field-Glazed Frames and Sash: Prior to glazing, apply primer or sealer coat to glazing channels.

Y. Gypsum Plaster: Cut out cracks, holes, indentations, and other surface defects to extent required for bonding adhesion; apply patching plaster or joint compound to produce surface flush with adjacent undamaged surface; sand to produce uniform flat surface when dry; allow to cure 30 days before coating application.

Z. Portland Cement Plaster: Cut out cracks, holes, indentations, and other surface defects to extent required for bonding adhesion; apply patching plaster to produce surface flush with adjacent undamaged surface; sand to produce uniform flat surface when dry; allow to cure 30 days before coating application.

AA. Gypsum Board: Repair cracks, holes, indentations, and other surface defects using joint compound to produce surface flush with adjacent undamaged surface; sand to produce uniform flat surface when dry.

BB. Insulated Coverings, Canvas or Cotton: Clean using high-pressure air and solvent of type recommended by coating manufacturer.

CC. Polyvinyl Chloride (PVC) Pipe: Remove ink markings by wiping down with clean-lint-free cloths saturated denatured alcohol.

3.3 APPLICATION

A. Apply each coat to uniform coating thickness in accordance with manufacturer's instructions, not exceeding

manufacturer's specified maximum spread rate for indicated surface; thins, brush marks, roller marks, orange-peel, or other application imperfections are not permitted.

B. Allow manufacturer's specified drying time, and ensure correct coating adhesion, for each coat before applying next coat.

C. Inspect each coat before applying next coat; touch-up surface imperfections with coating material, feathering, and sanding if required; touch-up areas to achieve flat, uniform surface without surface defects visible from 5 feet (1.5 m).

D. Do not apply succeeding coat until previous coat has been approved by Architect; only Architect-approved coats will be considered in determining number of coats applied.

E. Remove dust and other foreign materials from substrate immediately prior to applying each coat.

F. Where coating application abuts other materials or other coating color, terminate coating, making clean sharp termination line without coating overlap.

G. Where color changes occur between adjoining spaces, through framed openings which are of same color as adjoining surfaces, change color at outside stop corner nearest to face of closed door.

H. Re-prepare and re-coat unsatisfactory finishes; refinish entire area to corners or other natural terminations.

3.4 MECHANICAL AND ELECTRICAL EQUIPMENT

A. Wood Equipment Panels: Apply primer coat to panel back before mounting; finish in accordance with requirements for interior wood, flat finish, including edges, before mounting equipment.

B. HVAC Louvers and Grilles: Finish in accordance with requirements for shop-primed ferrous metal items, including dampers visible behind units, color matching adjacent surfaces unless otherwise indicated.

C. HVAC Ductwork: Finish interior surfaces visible through grilles and louvers with one coat alkyd flat wall paint, color black.

D. Convector and Baseboard Heating Cabinets: Finish in accordance with requirements for shop-primed ferrous metal items, including dampers visible behind units, color matching adjacent surfaces unless otherwise indicated; finish interior surfaces visible through grilles and louvers with one coat alkyd flat wall paint, color black.

E. Piping, Ductwork, and Conduit Exposed to View in Finished Spaces: Finish in accordance with requirements for unprimed ferrous metal items, color matching adjacent surfaces unless otherwise indicated.

F. Piping, Ductwork, and Conduit Exposed to View in Finished Utility, Mechanical, and Electrical Spaces: Finish in accordance with requirements for unprimed ferrous metal items.
   1. Identification markings will be provided by others.
   2. Use color matching adjacent surfaces unless otherwise indicated.
   3. Use colors specified in Division 15 and 16.
   4. Use colors specified in ANSI Z13.1 and Z535.1.
   5. Do not allow coatings on identification tags or markings.
   6. Replace identification markings when painted accidentally.

G. Access Panels, Electrical Panels, and Cover Plates: Finish in accordance with requirements for shop-primed ferrous metal items, including doors, door backs and sight-exposed cabinet surfaces, color matching adjacent surfaces unless otherwise indicated; do not allow coatings on identification plates, tags, or markings.

3.5 RE-INSTALLATION

A. Re-install hardware, electrical equipment plates, mechanical grilles and louvers, lighting fixture trim, and other items which have been removed to protect from contact with coatings.

B. Reconnect equipment adjacent to surfaces indicated to receive coatings.

C. Relocate to original position equipment and fixtures which have been moved to allow application of coatings.

D. Remove protective materials.

3.6 CLEANING

A. Clean excess coating materials, and coating materials deposited on surfaces to indicated to receive coatings, as construction activities of this section progress; do not allow to dry.

3.7 PROTECTION

A. Protected completed coating applications from damage by subsequent construction activities.

B. Repair to Architect's acceptance coating applications which are damaged by subsequent construction activities in accordance with specified application procedures; re-apply finish coating to nearest adjacent change of surface plane, in both horizontal and vertical directions, where repairs cannot be made to Architect's acceptance.

3.8 SCHEDULE - EXTERIOR PAINT SYSTEMS

A. Pavement Markings: Two coats Duron Lead Free Alkyd Oil Traffic Paint, 93 Series; -814 white, -821 yellow.

B. Pavement Markings: Two coats Duron Lead Free Latex Traffic Paint, 95 Series; -100 white, -102 yellow.

C. Concrete:
   1. Flat finish:
      a. One coat Duron Bond-N-Seal Exterior Acrylic House Paint Primer 08-124.
      b. Two coats Duron Weathershield Exterior Acrylic Flat House Paint, 03-3x Series.
   2. Semi-gloss finish:
      a. One coat Duron Bond-N-Seal Exterior Acrylic House Paint Primer 08-124.
      b. Two coats Duron Weathershield Exterior Acrylic Semi-Gloss House Paint, 03-3x Series.

D. Concrete Masonry:
   1. Flat finish:
      a. One coat Duron Block Kote Latex Block Filler 08-126, at spread rate of 75 square feet per gallon (1.8 sq m/L), maximum.

b. Two coats Duron Weathershield Exterior Acrylic Flat House Paint, 34 Series.

2. Semi-gloss finish:
   a. One coat Duron Block Kote Latex Block Filler 08-126, at spread rate of 75 square feet per gallon (1.8 sq m/L), maximum.
   b. Two coats Duron Weathershield Exterior Acrylic Semi-Gloss House Paint, 03-3x Series.

E. Ferrous Metals:
1. Unprimed:
   a. One coat Duron Dura Clad Alkyd White Metal Primer 33-010, or one coat Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.
   b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.
2. Shop-primed:
   a. Touch-up: Duron Dura Clad Alkyd White Metal Primer 33-010, or Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.
   b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.
3. Galvanized:
   a. One coat Duron Dura Clad Acrylic Galvanized Metal Primer, White, 33-100.
   b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.
   c. Two coats Duron Weathershield Exterior Acrylic Semi-Gloss House Paint, 03-3x Series.

F. Mill-Finish Aluminum:
1. Alkyd:
   a. One coat Duron Dura Clad Alkyd White Metal Primer 33-010, or one coat Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.
   b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.
2. Acrylic:
   a. One coat Duron Dura Clad Alkyd White Metal Primer 33-010, or one coat Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by

finish coating manufacturer for colors of finish coats.

b. Two coats Duron Weathershield Exterior Acrylic Semi-Gloss House Paint, 03-3x Series.

G. Copper:

1. Alkyd-Urethane:

a. One coat Duron Dura Clad Alkyd White Metal Primer 33-010, or one coat Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.

b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.

2. Acrylic:

a. One coat Duron Dura Clad Alkyd White Metal Primer 33-010, or one coat Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.

b. Two coats Duron Weathershield Exterior Acrylic Semi-Gloss House Paint, 03-3x Series.

H. Stainless Steel:

1. Alkyd-Urethane:

a. One coat two-component vinyl wash etching primer, as recommended by finish coating manufacturer.

b. One coat Duron Dura Clad Alkyd White Metal Primer 33-010, or one coat Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.

c. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.

2. Acrylic:

a. One coat two-component vinyl wash etching primer, as recommended by finish coating manufacturer.

b. One coat Duron Dura Clad Alkyd White Metal Primer 33-010, or one coat Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.

c. Two coats Duron Weathershield Exterior Acrylic Semi-Gloss House Paint, 03-3x Series.

I. Wood - Paint (Opaque):

1. Gloss finish:

a. One coat Duron Superior Exterior Alkyd/Oil House Paint Primer; color 08-023 White or 08-005 Deep Base, as recommended by finish coating manufacturer for colors of finish coats.
b. Two coats Duron Superior House & Trim Exterior Alkyd/Oil Gloss, 10 Series.

2. Semi-gloss finish:
a. One coat Duron Superior Exterior Alkyd/Oil House Paint Primer; color 08-023 White or 08-005 Deep Base, as recommended by finish coating manufacturer for colors of finish coats.
b. Two coats Duron Weathershield Exterior Acrylic Semi-Gloss House Paint, 03-3x Series.

3. Satin finish:
a. One coat Duron Superior Exterior Alkyd/Oil House Paint Primer; color 08-023 White or 08-005 Deep Base, as recommended by finish coating manufacturer for colors of finish coats.
b. Two coats Duron Weathershield Exterior Acrylic Satin House Paint, 11 Series.

J. Wood - Transparent Finish:
1. New wood:
a. One coat Seasonite flat finish, manufactured by The Flood Company, Duron Item Number 80-053; allow to weather 9-12 months.
b. Clean with Dekswood Cleaner, manufactured by The Flood Company, Duron Item Number 76-907.
c. One coat CWF-UV clear wood finish, ultraviolet-resistant, manufactured by The Flood Company, Duron Item Number 80-054.

2. Existing:
a. Clean with Dekswood Cleaner, manufactured by The Flood Company, Duron Item Number 76-907.
b. One coat CWF-UV clear wood finish, ultraviolet-resistant, manufactured by The Flood Company, Duron Item Number 80-054.

K. Wood - Semi-Transparent Finish: Two coats Duron Dura Stain Oil Semi-Transparent Stain, 28-108.

L. Wood - Opaque Stain Finish:
1. For vertical bleeding wood species, including cedar and redwood: Two coats Duron Dura Stain Solid Hide Oil Stain, 28 Series.
2. For vertical non-bleeding wood species:

a. One coat Duron Bond-N-Seal Exterior Acrylic House Paint Primer 08-124.
b. One coat Duron Dura Stain Solid Hide Oil Stain, 28 Series, color matching finish coat color.
c. One coat Duron Perma-Stain Exterior Acrylic Latex Solid Hide, 26 Series.

3.9 SCHEDULE - INTERIOR PAINT SYSTEMS

A. Concrete:
1. Flat finish:
a. One coat Duron Acrylic Enamel Undercoater 04-123.
b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Flat Wall Paint, 44 Series.
2. Semi-gloss finish:
a. One coat Duron Acrylic Enamel Undercoater 04-123.
b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
c. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.
3. Gloss finish:
a. One coat Duron Acrylic Enamel Undercoater 04-123.
b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.

B. Concrete - Epoxy Gloss Finish:
1. Dry areas:
a. One coat Duron Acrylic Enamel Undercoater 04-123.
b. Two coats Duron Dura Clad Interior Universal Colorant Tintable Polyamide Epoxy, 93-02x Series.
2. High-moisture areas:
a. One coat Duron Epoxy Block Filler 33-0193x.
b. Two coats Duron Dura Clad LS Polyamide Epoxy, 93-06x Series.

C. Concrete Floors Not Subject to Vehicular Traffic: Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.
D. Concrete Floors - Epoxy Finish:
1. Pigmented gloss finish:
a. One coat Duron Dura Clad Polyamide Epoxy Primer/Finish, amber/clear, 33-031.
b. One coat Duron Dura Clad High Build Epoxy Mastic, 93-05x.
2. Pigmented gloss finish: Two coats Lilly Perfection Hydroxy Two-Component Waterborne Epoxy 95-09x,

manufactured by Lilly Industries, Inc.; distributed by Duron.

3. Clear gloss finish: Two coats Duron Dura Clad Polyamide Epoxy Primer/Finish, amber/clear, 33-031.

E. Concrete Floors - Urethane Finish:
1. One coat Duron Dura Clad Interior Clear Epoxy Floor Sealer/Finish 33-056.
2. One coat Duron Dura Clad Moisture Cure Urethane, amber/clear, 93-009.
3. Two coats Duron Dura Clad Moisture Cure Urethane, amber/clear, 93-009.

F. Concrete Floors - Clear Sealer/Dustproofer: One coat Duron Dura Clad Concrete Floor Sealer, amber/clear, 93-011.

G. Concrete Floors - Clear Sealer/Dustproofer: One coat Seal-Krete Waterproofing Sealer, manufactured by Seal-Krete, Inc., Duron Item Number 80-070.

H. Concrete Masonry:
1. Flat finish:
a. One coat Duron Block Kote Latex Block Filler 08-126, at spread rate of 75 square feet per gallon (1.8 sq m/L), maximum.
b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Flat Wall Paint, 44 Series.
2. Semi-gloss finish:
a. One coat Duron Block Kote Latex Block Filler 08-126, at spread rate of 75 square feet per gallon (1.8 sq m/L), maximum.
b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
c. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.
3. Gloss finish:
a. One coat Duron Block Kote Latex Block Filler 08-126, at spread rate of 75 square feet per gallon (1.8 sq m/L), maximum.
b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.

I. Concrete Masonry - Epoxy Finish:
1. Dry areas, gloss finish:
a. One coat Duron Block Kote Latex Block Filler 08-126, at spread rate of 75 square feet per gallon (1.8 sq m/L), maximum.
b. Two coats Duron Dura Clad Interior Universal Colorant Tintable Polyamide Epoxy, 93-02x Series.

2. High-moisture areas, gloss finish:
    a. One coat two-component cementitious or epoxy block filler, Duron Dur Clad Epoxy Block Filler, 33-019.
    b. Two coats Duron Dura Clad LS Polyamide Epoxy, 93-06x Series.

J. Restored Masonry Surfaces:
1. Flat finish:
    a. One coat Duron Acrylic Enamel Undercoater 04-123.
    b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Flat Wall Paint, 44 Series.
2. Semi-gloss finish:
    a. One coat Duron Acrylic Enamel Undercoater 04-123.
    b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
    c. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.
3. Gloss finish:
    a. One coat Duron Acrylic Enamel Undercoater 04-123.
    b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.

K. Ferrous Metals:
1. Unprimed:
    a. One coat Duron Dura Clad Alkyd White Metal Primer 33-010, or one coat Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.
    b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.
    c. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
    d. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.
2. Shop-primed:
    a. Touch-up: Duron Dura Clad Alkyd White Metal Primer 33-010, or Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.
    b. One coat Duron Dura Clad Alkyd White Metal Primer 33-010, or one coat Duron Dura Clad Damp Proof Red Oxide Metal Primer 33-015, as recommended by finish coating manufacturer for colors of finish coats.

c. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.
d. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
e. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.

3. Galvanized:
a. One coat Duron Dura Clad Acrylic Galvanized Metal Primer, White, 33-100.
b. One coat two-component vinyl wash etching primer, as recommended by finish coating manufacturer.
c. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.
d. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
e. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.

L. Wood - Paint (Opaque) Finish:
1. Gloss finish:
a. One coat Duron Wall Kote Interior Alkyd Enamel Undercoater 04-024.
b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.

2. Semi-gloss finish:
a. One coat Duron Wall Kote Interior Alkyd Enamel Undercoater 04-024.
b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
c. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.

3. Flat finish:
a. One coat Duron Wall Kote Interior Alkyd Enamel Undercoater 04-024.
b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Flat Wall Paint, 44 Series.

M. Wood - Transparent finish:
1. Untinted, urethane:
a. One coat Duron Interior Penetrating Oil Wood Stain, 28 Series.
b. One coat Duron Kwik Seal Interior Clear Polyurethane Sealer/Gloss Finish 15-015.
c. Two coats Duron Permathane Interior Polyurethane Satin Finish 15-011.
d. Two coats Duron Permathane Interior Polyurethane Gloss Finish 15-010.

2. Rough-surfaced, flat finish: One coat Duron Interior Penetrating Oil Wood Stain, 28 Series.
3. Rough-surfaced, natural flat finish: One coat Duron Interior Penetrating Oil Wood Stain, 28-100 Clear Base, unshaded.
4. Rough-surfaced, natural flat finish: Two coats Duron Interior Penetrating Oil Wood Stain, 28-100 Clear Base, unshaded.
5. Rough-surfaced, natural flat finish: One coat Seal-Krete Waterproofing Sealer, manufactured by Seal-Krete, Inc., Duron Item Number 80-070.
6. Rough-surfaced, natural flat finish: Two coats Seal-Krete Waterproofing Sealer, manufactured by Seal-Krete, Inc., Duron Item Number 80-070.

N. Gypsum Plaster:
1. Flat finish:
   a. One coat Duron Ultra Deluxe Interior Drywall Vinyl Primer Sealer 04-126.
   b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Flat Wall Paint, 44 Series.
2. Eggshell finish:
   a. One coat Duron Ultra Deluxe Interior Drywall Vinyl Primer Sealer 04-126.
   b. Two coats Duron Plastic Kote Interior Acrylic (latex) Eggshell Enamel, 20 Series.
   c. Two coats Duron Wall Kote Interior Alkyd Eggshell Enamel, 45 Series.
3. Semi-gloss finish:
   a. One coat Duron Ultra Deluxe Interior Drywall Vinyl Primer Sealer 04-126.
   b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
   c. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.
4. Gloss finish:
   a. One coat Duron Ultra Deluxe Interior Drywall Vinyl Primer Sealer 04-126.
   b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.

O. Portland Cement Plaster:
1. Flat finish:
   a. One coat Duron Acrylic Enamel Undercoater 04-123.
   b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Flat Wall Paint, 44 Series.
2. Semi-gloss finish:

a. One coat Duron Acrylic Enamel Undercoater 04-123.
b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
c. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.

3. Gloss finish:
a. One coat Duron Acrylic Enamel Undercoater 04-123.
b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.

P. Gypsum Board:
1. Flat finish:
a. One coat Duron Ultra Deluxe Interior Drywall Vinyl Primer Sealer 04-126.
b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Flat Wall Paint, 44 Series.

2. Eggshell finish:
a. One coat Duron Ultra Deluxe Interior Drywall Vinyl Primer Sealer 04-126.
b. Two coats Duron Plastic Kote Interior Acrylic (latex) Eggshell Enamel, 20 Series.
c. Two coats Duron Wall Kote Interior Alkyd Eggshell Enamel, 45 Series.

3. Semi-gloss finish:
a. One coat Duron Ultra Deluxe Interior Drywall Vinyl Primer Sealer 04-126.
b. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.
c. Two coats Duron Wall Kote Interior Alkyd Semi-Gloss Enamel, 48 Series.

4. Gloss finish:
a. One coat Duron Ultra Deluxe Interior Drywall Vinyl Primer Sealer 04-126.
b. Two coats Duron Dura Clad Alkyd Gloss Enamel, Urethane Modified, 12 Series.

Q. Insulated Coverings, Canvas or Cotton:
1. One coat Duron Acrylic Enamel Undercoater 04-123.
2. Two coats Duron Ultra Deluxe Interior Vinyl Acrylic Semi-Gloss Enamel, 35 Series.

R. Fire-Retardant Intumescent Coating (Class A):
1. Over combustible materials, flat finish:
a. One coat primer, type recommended by finish coating manufacturer for substrate material.
b. One coat Flame Control Number 20-20 Flat Latex Intumescent Fire Retardant Paint, manufactured by Flame Control Coatings, Inc., Duron Item Number

76-400; applied at spread rate of 190 square feet per gallon (4.6 sq m/L), maximum.

2. Over combustible materials, low-gloss washable finish:
   a. One coat primer, type recommended by finish coating manufacturer for substrate material.
   b. One coat Flame Control Number 20-20 Flat Latex Intumescent Fire Retardant Paint, manufactured by Flame Control Coatings, Inc., Duron Item Number 76-400; applied at spread rate of 190 square feet per gallon (4.6 sq m/L), maximum.
   c. One coat Flame Control Number 40-40 Low-Gloss Latex Fire Resistant Coating, manufactured by Flame Control Coatings, Inc., Duron Item Number 76-400; applied at spread rate of 625 square feet per gallon (15 sq m/L), maximum.
3. Over non-combustible materials, low-gloss washable finish:
   a. One coat primer, type recommended by finish coating manufacturer for substrate material.
   b. One coat Flame Control Number 40-40 Low-Gloss Latex Fire Resistant Coating, manufactured by Flame Control Coatings, Inc., Duron Item Number 76-400; applied at spread rate of 350 square feet per gallon (8.5 sq m/L), maximum.

END OF SECTION