

SECTION 09902

INTERIOR PAINTS AND STAINS

PART GENERAL

SECTION INCLUDES

Surface preparation and field application of paints on interior substrates.

Surface preparation and field application of stains on interior substrates.

RELATED SECTIONS

Section \_\_\_\_\_ - \_\_\_\_\_: Pavement markings.

Section 09901 - Exterior Paints and Stains.

Section 09960 - High-Performance Coatings.

Section \_\_\_\_\_ - \_\_\_\_\_: Shop finished cabinetry and paneling.

REFERENCES

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

DEFINITIONS

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

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Provide manufacturer's printed product data on all coatings specified, including preparation and application instructions.

Selection Samples: Provide two sets of samples not less than one inch by two inches in size illustrating range of colors and textures available for each finishing product specified.

Verification Samples: Provide two samples of not less than six inches square illustrating selected colors and textures for each color specified.

#### DELIVERY, STORAGE, AND HANDLING

Deliver, store, and protect products under provisions of Section 01600.

Deliver products to site in sealed and labeled containers. Labels shall include manufacturer's name, type of coating, brand name, lot number, estimated coverage, surface preparation requirements, drying time, cleanup instructions, color designation, and instructions for mixing.

Store paint products in covered, ventilated area at minimum ambient temperature of 45 degrees F and maximum ambient temperature of 90 degrees F.

#### ENVIRONMENTAL REQUIREMENTS

Do not apply products of this section outside acceptable range of conditions as specified by paint manufacturer.

Do not apply coatings when humidity is in excess of manufacturer's recommended limit.

#### EXTRA MATERIALS

Furnish extra materials under provisions of Section 01700.

Deliver to Owner 1 gallon of each finish paint in each color required for Project.

Mark each container with color and room names or numbers where paint was used, without obscuring manufacturer's label.

#### PART PRODUCTS

##### MANUFACTURER

Provide products listed in Schedule at end of the section, manufactured by ICI Dulux Paints, 925 Euclid Avenue, Cleveland, OH 44115. ASD. Call (800) 984-5444 for

location of company-owned stores.

Substitutions: Not permitted.

#### MATERIALS

Coatings: Ready mixed, except for field catalyzed coatings; having good flow and brushing properties and consistent drying or curing behavior, free of sags and streaks.

Accessory Materials: Linseed oil, turpentine, paint thinners and other materials recommended by coatings manufacturer as necessary to achieve finishes specified.

Patching and Surface Preparation: Latex fillers as recommended by coatings manufacturer.

#### PART EXECUTION

##### EXAMINATION

Verify that site environmental conditions are appropriate and substrates are in proper condition to receive work of this section.

Verify that shop applied primers are compatible with specified finish coats.

Measure moisture content of surfaces using an electronic moisture meter. Do not begin application of coatings unless moisture content of surfaces is below the following maximum values:

Gypsum wallboard: 12 percent.

Plaster: 12 percent.

Masonry surfaces: 12 percent.

Wood surfaces: 15 percent.

Vertical concrete surfaces: 12 percent.

Horizontal concrete surfaces: 8 percent.

##### PREPARATION

Remove or mask electrical plates, hardware, light fixture trim, and similar fittings prior to beginning painting operations.

Correct defects and clean surfaces affecting work of this

section. Remove existing coatings that are flaking or otherwise in unacceptable condition to receive paint.

Seal with shellac or other coating acceptable to paint manufacturer any marks or defects that might bleed through paint finishes.

Remove mildew from impervious surfaces by scrubbing with solution of trisodium phosphate and bleach. Rinse with clean water and allow substrate to dry.

Concrete and Masonry Surfaces: Remove dirt, loose mortar, scale, salts, alkalies, and other detrimental substances. Remove oils and grease with solution of trisodium phosphate; rinse well and allow to dry.

Concrete Floors: Remove dirt and grease, acid etch, and rinse with clear water.

Plaster and Drywall: Fill hairline cracks, small holes, and imperfections with patching compound, then smooth patches to match adjacent surfaces.

Interior Wood for Opaque Finish: Remove dirt and foreign matter. Patch knots, pitch pockets, and other surface imperfections with patching compound and seal with sealer recommended by paint manufacturer.

Interior Wood for Transparent Finish: Remove dirt and foreign matter. Seal knots and pitch pockets with sealer recommended by stain manufacturer. Fill nail holes and other surface imperfections with tinted calking compound after sealer has been applied.

Wood Doors: Seal top and bottom edges with specified primer.

Metal Doors: Seal top and bottom edges with specified primer.

Galvanized Metal Surfaces: Remove oils and wash with solvent.

Aluminum Surfaces: Remove surface contamination by steam or high pressure water. Remove oxidation by acid etching and solvent washing. Apply specified primer as soon as cleaned surfaces are dry.

## APPLICATION

Apply paint products in accordance with manufacturer's printed instructions. Do not apply coatings to surfaces that are not dry.

Apply each coat to uniform thickness and finish, with each coat slightly darker than preceding coat. Allow each coat to dry thoroughly before applying next coat.

Sand wood and metal surfaces lightly between coats. Vacuum surfaces free of loose particles prior to application of next coat.

## CLEANING AND PROTECTION

Keep project premises free of painting-related debris. Collect material that may constitute a fire hazard, place in closed metal containers, and remove daily from site.

Protect work adjacent to painting operations from paint spatters and spills. Immediately remove paint that falls on finished surfaces not scheduled to receive paint, using materials and techniques that will not damage affected surfaces.

## SCHEDULE

Concrete, Concrete Block, Plaster, Smooth and Textured Drywall, Unglazed Brick:

Primer:

- a. Plaster: 1 coat 3210 The Gripper Aquacrylic Sealer.
- b. Concrete Block, Filled: 1 coat 3010 Ultra-Hide Latex Interior/Exterior Block Filler.
- c. Concrete Block, Unfilled: 1 coat 1030 Ultra-Hide PVA Interior Primer Sealer.
- d. Smooth or Textured Drywall, Concrete, Unglazed Brick: 1 coat 1030 Ultra-Hide PVA Interior PrimerSealer.

Latex Finish:

- a. 1 coat of appropriate primer, filler, sealer from above.
- b. 1 or 2 coats 1210 XXXX Ultra-Hide Workhorse Latex Flat Wall Paint.
- b. 1 or 2 coats 1412 XXXX Ultra-Hide Latex Eggshell Wall & Trim Enamel.
- b. 1 or 2 coats 1416 XXXX Ultra-Hide Latex Semigloss

Wall & Trim Enamel.

b. 1 or 2 coats 3038 XXXX Ultra-Hide Durus Latex Gloss Interior/Exterior Enamel.

Acrylic Latex Accent Colors:

a. 1 coat of appropriate primer, filler, sealer from above.

b. 2 coats 3000 Dulux Accents Interior/Exterior Latex Flat Pre-Tones.

b. 2 coats 3006 Dulux Accents Interior/Exterior Latex Semigloss Pre-Tones.

Alkyd Finish:

a. 1 coat of appropriate primer, filler, sealer from above.

b. 1 or 2 coats 1310 XXXX Ultra-Hide Alkyd Prime 'N Finish Flat.

b. 1 or 2 coats 1512 XXXX Ultra-Hide Alkyd Eggshell Interior Wall & Trim Enamel.

b. 1 or 2 coats 1516 XXXX Ultra-Hide Alkyd Semigloss Interior Wall & Trim Enamel.

Alkyd Accent Colors:

a. 1 coat of appropriate primer, filler, sealer from above.

b. 2 coats 3106 Dulux Accents Interior/Exterior Latex Semi-gloss Pre-Tones.

Acoustic Plaster, Acoustic Tile:

Latex - Flat Finish:

a. 1 or 2 coats 1210 XXXX Ultra-Hide Workhorse Latex Flat Wall Paint.

a. 1 or 2 coats 1230 XXXX Ultra-Wall Latex Flat Wall Paint.

a. 1 or 2 coats 1280 XXXX Spraymaster Pro Uni-Grip-WB Acrylic Dryfall.

Acrylic Latex Accent Colors:

a. 2 coats 3000 Dulux Accents Interior/Exterior Latex Flat Pre-Tones.

a. 2 coats 3006 Dulux Accents Interior/Exterior Latex Semigloss Pre-Tones.

Concrete Floors and Decking - Gloss Finish:

Alkyd Finish:

a. 1 coat 3118 XXXX ULTRA-HIDE Urethane Interior/Exterior Floor Enamel (thinned 25 percent).

b. 1 or 2 coats 3118 XXXX ULTRA-HIDE Urethane Interior/Exterior Floor Enamel.

c. Add sand or pumice to final coat for nonskid surface.

Acrylic Latex Finish:

- a. 2 coats 3018 XXXX ULTRA-HIDE Acrylic Latex Interior/Exterior Floor Enamel.
- b. Add sand or pumice to final coat for nonskid surface.

Woodwork: Wood Paneling, Wood Trim, Doors, Cabinets:  
Stained and Varnished Finish, Oil Wood Stain:

- a. 1 coat 1700 XXXX Woodpride Interior Solventborne Wood Stain, instead of first coat specified below.
- b. Finish as specified below.

Clear Satin Finish, Waterborne Varnish:

- a. 1 coat 1802 0000 Woodpride-Interior Waterborne Aquacrylic Clear Satin Varnish (thinned 5 percent).
- b. 1 or 2 coats 1802 0000 Woodpride-Interior Waterborne Aquacrylic Clear Satin Varnish.

Clear Satin Finish, Polyurethane Varnish:

- a. 1 coat 1902 0000 Woodpride Clear Satin Polyurethane Varnish (thinned 10 percent).
- b. 1 or 2 coats 1902 0000 Woodpride Clear Satin Polyurethane Varnish.

Clear Gloss Finish, Waterborne Varnish:

- a. 1 coat 1808 0000 Woodpride-Interior Aquacrylic Clear Gloss Finish.
- b. 1 or 2 coats 1808 0000 Woodpride-Interior Waterborne Aquacrylic Clear Gloss Varnish.

Clear Gloss Finish, Polyurethane Varnish:

- a. 1 coat 1908 0000 Woodpride Interior Polyurethane Gloss Varnish (thinned 10 percent).
- b. 1 or 2 coats 1908 0000 Woodpride Interior Polyurethane Gloss Varnish.

Opaque Finish, Latex:

- a. 1 coat 1020 Ultra-Hide Latex Interior Wood Undercoater.
- b. 1 or 2 coats 1210 XXXX Ultra-Hide Latex Flat Wall Paint.
- b. 1 or 2 coats 1412 XXXX Ultra-Hide Latex Eggshell Wall & Trim Enamel.
- b. 1 or 2 coats 1416 XXXX Ultra-Hide Latex Semigloss Wall & Trim Enamel.
- b. 1 or 2 coats 3038 XXXX Ultra-Hide Durus Latex Gloss Interior/Exterior Enamel.

Opaque Finish, Acrylic Latex Accent Colors:

- a. 1 coat 1020 Ultra-Hide Latex Interior Wood Undercoater.
- b. 2 coats 3000 Dulux Accents Interior/Exterior Latex Flat Pre-Tones.
- b. 2 coats 3006 Dulux Accents Interior/Exterior Latex Semigloss Pre-Tones.

Opaque Finish, Alkyd:

a. 1 coat 1120 Ultra-Hide Oil/Alkyd Interior Wood Undercoater.

a. 1 coat 1310 XXXX Ultra-Hide Alkyd Prime 'N Finish Flat.

b. 1 or 2 coats 1310 XXXX Ultra-Hide Alkyd Prime 'N Finish Flat.

b. 1 or 2 coats 1512 XXXX Ultra-Hide Alkyd Eggshell Interior Wall & Trim Enamel.

b. 1 or 2 coats 1516 XXXX Ultra-Hide Alkyd Semigloss Interior Wall & Trim Enamel.

Opaque Finish, Alkyd Accent Colors:

a. 1 coat 1120 Ultra-Hide Oil/Alkyd Interior Wood Undercoater.

b. 2 coats 3106 Dulux Accents Interior/Exterior Latex Semi-gloss Pre-Tones.

Wood Floors, Steps, and Porches:

Alkyd - Gloss Finish:

a. 1 coat 3118 XXXX ULTRA-HIDE Urethane Interior/Exterior Floor Enamel (thinned 15 percent).

b. 1 or 2 coats 3118 XXXX ULTRA-HIDE Urethane Interior/Exterior Floor Enamel.

Acrylic Latex - Gloss Finish:

a. 2 coats 3018 XXXX ULTRA-HIDE Acrylic Latex Interior/Exterior Floor Enamel.

Clear Satin Finish, Waterborne Varnish:

a. 1 coat 1802 0000 Woodpride-Interior Waterborne Aquacrylic Clear Satin Varnish (thinned 5 percent).

b. 1 or 2 coats 1802 0000 Woodpride-Interior Waterborne Aquacrylic Clear Satin Varnish.

Clear Satin Finish, Polyurethane Varnish:

a. 1 coat 1902 0000 Woodpride Clear Satin Polyurethane Varnish (thinned 10 percent).

b. 1 or 2 coats 1902 0000 Woodpride Clear Satin Polyurethane Varnish.

Clear Gloss Finish, Waterborne Varnish:

a. 1 coat 1808 0000 Woodpride-Interior Waterborne Aquacrylic Clear Gloss Finish.

b. 1 or 2 coats 1808 0000 Woodpride-Interior Waterborne Aquacrylic Clear Gloss Varnish.

Clear Gloss Finish, Polyurethane Varnish:

a. 1 coat 1908 0000 Woodpride Interior Polyurethane Gloss Varnish (thinned 10 percent).

b. 1 or 2 coats 1908 0000 Woodpride Interior Polyurethane Gloss Varnish.

Architectural Metals:



Primer, Waterborne Acrylic:

- a. Unprimed ferrous metal: 1 coat 4020 XXXX Devflex DTM Flat Interior/Exterior Waterborne Primer & Finish.
- b. Shop primed ferrous metal:
  - 1) Touch up bare areas with 4020 XXXX Devflex DTM Flat Interior/Exterior Waterborne Primer & Finish.
  - 2) 1 coat 4020 XXXX Devflex DTM Flat Interior/Exterior Waterborne Primer & Finish.
- c. Galvanized metal:
  - 1) Clean and acid etch as necessary.
  - 2) 1 coat 4020 XXXX Devflex DTM Flat Interior/Exterior Waterborne Primer & Finish.
- d. Aluminum:
  - 1) Solvent clean and abrade as necessary to remove oxidation.
  - 2) 1 coat 4020 XXXX Devflex DTM Flat Interior/Exterior Waterborne Primer & Finish.
  - 2) 1 coat 4160 XXXX Devguard Multi-purpose Tank & Structural Primer.

Primer, Alkyd:

- a. Unprimed ferrous metal: 1 coat 4160 XXXX Devguard Multi-purpose Tank & Structural Primer.
- b. Shop primed ferrous metal:
  - 1) Touch up bare areas with 4160 XXXX Devguard Multi-purpose Tank & Structural Primer.
  - 2) 1 coat 4160 XXXX Devguard Multi-purpose Tank & Structural Primer.
- c. Galvanized metal:
  - 1) Clean and acid etch as necessary.
  - 2) 1 coat 4160 XXXX Devguard Multi-purpose Tank & Structural Primer.

Latex Finish:

- a. 1 coat of appropriate primer from above.
- b. 1 or 2 coats 1210 XXXX Ultra-Hide Workhorse Latex Flat Wall Paint.
- b. 1 or 2 coats 1412 XXXX Ultra-Hide Latex Eggshell Wall & Trim Enamel.
- b. 1 or 2 coats 1416 XXXX Ultra-Hide Latex Semigloss Wall & Trim Enamel.
- b. 1 or 2 coats 3038 XXXX Ultra-Hide Durus Latex Gloss Interior/Exterior Enamel.
- b. 1 or 2 coats 4020 XXXX Devflex Interior/Exterior Waterborne Acrylic Flat Enamel.
- b. 1 or 2 coats 4206 XXXX Devflex Interior/Exterior Waterborne Acrylic Semi-Gloss Enamel.
- b. 1 or 2 coats 4208 XXXX Devflex Interior/Exterior

Waterborne Acrylic Gloss Enamel.

Acrylic Latex Accent Colors:

a. 1 coat of appropriate primer from above.  
b. 2 coats 3000 Dulux Accents Interior/Exterior Latex Flat Pre-Tones.

b. 2 coats 3006 Dulux Accents Interior/Exterior Latex Semigloss Pre-Tones.

Alkyd Finish:

a. 1 coat of appropriate primer from above.

b. 1 or 2 coats 1310 XXXX Ultra-Hide Alkyd Prime 'N Finish Flat.

b. 1 or 2 coats 1512 XXXX Ultra-Hide Alkyd Eggshell Interior Wall & Trim Enamel.

b. 1 or 2 coats 1516 XXXX Ultra-Hide Alkyd Semigloss Interior Wall & Trim Enamel.

b. 1 or 2 coats 4308 XXXX Devguard Gloss Alkyd Industrial Enamel.

b. 1 or 2 coats 4318 XXXX Speedenamel Q. D. Gloss Enamel.

b. 1 or 2 coats 4328 XXXX Devshield

Interior/Exterior Alkyd Urethane Gloss Enamel.

Alkyd Accent Colors:

a. 1 coat of appropriate primer from above.

b. 2 coats 3106 Dulux Accents Interior/Exterior Latex Semi-gloss Pre-Tones.

Metal Flooring, Steps, and Catwalks:

Latex Finish:

a. 1 coat 4020 XXXX Devflex DTM Flat Interior/Exterior Waterborne Primer & Finish.

b. 1 or 2 coats 3018 XXXX ULTRA-HIDE Acrylic Latex Interior/Exterior Floor Enamel.

Alkyd Finish:

a. 1 coat 4160 XXXX Devguard Multi-purpose Tank & Structural Primer.

b. 1 or 2 coats 4308 XXXX Devguard Gloss Alkyd Industrial Enamel.

b. 1 or 2 coats 4318 XXXX Speedenamel Q. D. Gloss Enamel.

b. 1 or 2 coats 4328 XXXX Devshield

Interior/Exterior Alkyd Urethane Gloss Enamel.

Machinery, Equipment, and Fixtures, Shop Primed:

Latex Finish:

a. 1 coat 4020 XXXX Devflex DTM Flat Interior/Exterior Waterborne Primer & Finish.

b. 1 or 2 coats 4020 XXXX Devflex Interior/Exterior Waterborne Acrylic Flat Enamel.

b. 1 or 2 coats 4206 XXXX Devflex Interior/Exterior Waterborne Acrylic Semi-Gloss Enamel.

b. 1 or 2 coats 4208 XXXX Devflex Interior/Exterior Waterborne Acrylic Gloss Enamel.

Alkyd Finish:

a. 1 coat 4160 XXXX Devguard Multi-purpose Tank & Structural Primer.

b. 1 or 2 coats 4308 XXXX Devguard Gloss Alkyd Industrial Enamel.

b. 1 or 2 coats 4318 XXXX Speedenamel Q. D. Gloss Enamel.

b. 1 or 2 coats 4328 XXXX Devshield Interior/Exterior Alkyd Urethane Gloss Enamel.

Metal Decking, Bar Joists, Shop Primed:

Dry Fall Finish, Latex:

a. 1 or 2 coats 1280 XXXX Spraymaster Pro Uni-Grip-WB Flat Acrylic Dryfall.

a. 1 or 2 coats 1482 XXXX Spraymaster Pro Uni-Grip-WB Eggshell Acrylic Dryfall.

a. 1 or 2 coats 1486 XXXX Spraymaster Pro Uni-Grip-WB Semigloss Acrylic Dryfall.

Dry Fall Finish, Alkyd:

a. 1 or 2 coats 1370 XXXX DTG Direct -to-Galvanized Flat Alkyd Dryfall.

a. 1 or 2 coats 1380 XXXX Spraymaster Flat Alkyd Dryfall.

a. 1 or 2 coats 1582 XXXX Spraymaster Eggshell Alkyd Dryfall.

a. 1 or 2 coats 1586 XXXX Spraymaster Semigloss Alkyd Dryfall.

END OF SECTION