

SECTION 09 94 19
MULTICOLOR INTERIOR FINISHING

SPEC WRITER NOTE: Delete text between
// _____ // not applicable to project.
Edit remaining text to suit project.

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Water or solvent based multicolored coating, sprayed over primed interior surfaces to obtain a decorative polychromatic finish.

1.2 RELATED REQUIREMENTS

SPEC WRITER NOTE: Update and retain
references only when specified elsewhere
in this section.

- A. Multicolored Coating VOC Limits: Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS.
- B. Location and color and texture of finish coat: Section 09 06 00, SCHEDULE FOR FINISHES.
- C. Painting: Section 09 91 00, PAINTING.
- D. Gypsum Board: Section 09 29 00, GYPSUM BOARD.

1.3 JOB CONDITIONS AND COORDINATION

- A. After application operations have begun in a given area, broom cleaning is prohibited; clean only with commercial vacuum cleaning equipment.
- B. Adequate illumination shall be provided in all areas where application operations are in progress.
- C. This work shall be scheduled and coordinated with other trades and shall not proceed until other work and job conditions are as required to achieve satisfactory results.

1.4 APPLICABLE PUBLICATIONS

- A. Comply with references to extent specified in this section.
- B. ASTM International (ASTM):
 1. E84-15b - Surface Burning Characteristics of Building Materials.
- C. Painting and Decorating Contractors of America (PDCA):
 1. PADC P5 - Benchmark Sample Procedures for Paint and Other Decorative Coating Systems.
- D. The Master Painters Institute (MPI):

1. Approved Product List - April 2016.

SPEC WRITER NOTE: Update material requirements to agree with applicable requirements (types, grades, classes) specified in the referenced Applicable Publications.

1.5 SUBMITTALS

- A. Submittal Procedures: Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data:
 1. Description of each product.
- C. Samples:
 1. Material Samples: 150 mm (6 inches) square, each type // and color //.
 - a. Submit quantity required to show full color // and texture // range.
- D. Sustainable Construction Submittals:
 1. Low Pollutant-Emitting Materials:
 - a. Show volatile organic compound types and quantities.
- E. Certificates: Certify // each product complies // products comply // with specifications.
- F. Qualifications: Substantiate qualifications comply with specifications.
 1. Manufacturer // with project experience list //.
 2. Installer // with project experience list //.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications:
 1. Regularly manufactures specified products.
 2. Manufactured specified products with satisfactory service on five similar installations for minimum five years.
 - a. // Project Experience List: Provide contact names and addresses for completed projects. //
- B. Installer Qualifications:
 1. Regularly installs specified products.
 2. Installed specified products with satisfactory service on five similar installations for minimum five years.
 - a. // Project Experience List: Provide contact names and addresses for completed projects. //

- C. Mockups: Provide a full-coat benchmark finish sample of each type of coating and substrate required. Comply with procedures specified in PDCA P5. Duplicate finish of approved sample Submittals. Duplicate finish of approved sample Submittals.
1. Architect/Engineer will select one room or surface to represent surfaces and conditions for application of each type of coating and substrate.
 2. Wall Surfaces: Provide samples of at least 9 sq. m. (100 sq. ft.).
 3. Small Areas and Items: Architect/Engineer will designate items or areas required.
 4. Notify Architect/Engineer seven days in advance of dates and times when mockups will be applied.
 5. Apply benchmark samples, according to requirements for the completed Work, after permanent lighting and other environmental services have been activated. Provide required sheen, color, and texture on each surface.
 6. After finishes are accepted, Architect/Engineer will use surface to evaluate coating systems of a similar nature.
 7. Obtain Architect's/Engineer's approval of benchmark samples before starting multicolored interior coating application.
 8. Final approval of colors will be from benchmark samples.

1.7 DELIVERY

- A. Deliver products in manufacturer's original sealed packaging.
- B. Mark packaging, legibly. Indicate manufacturer's name or brand, type, // color, // production run number, and manufacture date.
- C. Before installation, return or dispose of products within distorted, damaged, or opened packaging.

1.8 STORAGE AND HANDLING

- A. Store products indoors in dry, weathertight // conditioned // facility.
- B. Protect products from damage during handling and construction operations.

1.9 FIELD CONDITIONS

- A. Environment:
 1. Product Temperature: Minimum 10 degrees C (50 degrees F) for minimum 48 hours before installation.
 2. Work Area Ambient Conditions: HVAC systems are complete, operational, and maintaining facility design operating conditions

continuously, beginning 48 hours before installation until Government occupancy.

3. Install products when building is permanently enclosed and wet construction is completed, dried, and cured.
4. Provide adequate ventilation to prevent mildew and improper drying of coating.
5. Prevent wide variation of temperatures which might result in condensation on freshly coated surfaces once application has commenced.

1.10 WARRANTY

SPEC WRITER NOTE: Always retain construction warranty. FAR includes Contractor's one year labor and material warranty.

- A. Construction Warranty: FAR clause 52.246-21, "Warranty of Construction."

SPEC WRITER NOTE: Specify extended manufacturer's warranties for materials only.

PART 2 - PRODUCTS

2.1 PRODUCTS - GENERAL

- A. Basis of Design: Section 09 06 00, SCHEDULE FOR FINISHES.
- B. Provide each product from one manufacturer // and from one production run //.
- C. Sustainable Construction Requirements:

SPEC WRITER NOTE:
1. Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS includes comprehensive product list setting VOC limits for low-emitting materials.
2. Retain subparagraphs applicable to products specified in this section.

1. Low Pollutant-Emitting Materials: Comply with VOC limits specified in Section 01 81 13, SUSTAINABLE CONSTRUCTION REQUIREMENTS for the following products:
 - a. Paints and coatings.

2.2 MULTICOLOR COATING

- A. Low odor, bacteriostatic, plastic terpolymer coating, incorporating a high resistance to fungus, mildew, alkalinity, soil and abrasion.
 - 1. MPI No. 112.
 - 2. Maximum Surface Burning Characteristics: ASTM E84.
 - a. Flame Spread Index: 25.
 - b. Smoke Developed Index: 450.
- B. Material and Equipment Compatibility: Provide primers, finish coat materials, and related materials and equipment are compatible with one another, and the substrate indicated.

2.3 MIXES

- A. Provide ready mixed multicolor coating materials. Job tinting and mixing is not acceptable.

2.4 ACCESSORIES

- A. Primers: MPI No. 125.
 - 1. Color: Stark white.
- B. Thinners: Provide when required, per Manufacturer's instructions.

2.5 SOURCE QUALITY CONTROL

- A. Special Inspections and Tests:
 - 1. Test surfaces with moisture-testing device before coating application. Do not apply coating when moisture content exceeds 12 percent except as required by the manufacturer. Test sufficient area in each space to determine the proper moisture content for application.

PART 3 - EXECUTION**3.1 EXAMINATION**

- A. Examine surfaces, areas, and conditions, for compliance with requirements and conditions affecting performance of coatings.
- B. Proceed Work until unsatisfactory conditions have been corrected.

3.2 PREPARATION OF SURFACES

- A. Examine and verify substrate suitability for product installation.
- B. Mask, remove, and protect hardware, accessories, machined surfaces, plates, lighting fixtures, electrical device cover plates, and similar items not scheduled to receive coating.

1. Reinstall items removed after completing coating operation, using workers skilled in trades involved.
- C. // Protect existing construction and completed work from damage. //
- D. // Remove existing // _____ // to permit new installation. //
 1. Retain existing // _____ // for reuse.
 2. Dispose of // other // removed materials. //
- E. Clean substrates. Remove contaminants capable of affecting subsequently installed product's performance.
 1. Remove mildew from substrates.

3.3 APPLICATION

- A. Install products according to manufacturer's instructions // and approved submittal drawings //.
 1. When manufacturer's instructions deviate from specifications, submit proposed resolution for Contracting Officer's Representative consideration.
 2. Apply coating material with high velocity, pressure differential spray technique, with variable control of uniform distribution and 100 percent full coat (continuous) coverage.
- B. Prime surfaces with manufacturer's recommended primer.
 1. Sand and reprime all abrasions and damaged spots in the surface of the primed coat before proceeding with subsequent finish coat.
 2. Evenly spread and apply materials free of runs, sags, holidays, lap marks, air bubbles, and pin holes.
 3. Touch up suction or hot spots.
- C. Apply finish material in one coat over primed surfaces meeting specified sheen, texture and color.

3.4 PROTECTION AND CLEAN UP

- A. Remove all coating material spots from the floors, glass and other surfaces immediately before acceptance.
- B. Protect coating materials from construction operations.
- C. Remove from the premises all rubbish and accumulated materials.
- D. Repair damage.

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