DATE OF THIS VERSION (new)
May 1, 2013

TITLE OF DOCUMENT (new title if applicable):
Multicolor Interior Finishing, 09 94 19

DATE OF VERSION BEING SUPERSEDED (old):
April 1, 2010

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):
Multicolor Interior Finishing, 09 94 19

SUMMARY OF CHANGES IN THIS VERSION:
1. Publications updated only. No change to content of Specification Section
PART 1 - GENERAL

1.1 DESCRIPTION

A water or solvent based multicolored coating that is sprayed over primed interior surfaces to obtain a decorative polychromatic finish.

1.2 RELATED WORK

A. Location and color and texture of finish coat: Section 09 06 00, SCHEDULE FOR FINISHES.
B. Painting: Section 09 91 00, PAINTING.
C. Gypsum Board: Section 09 29 00, GYPSUM BOARD.

1.3 QUALITY ASSURANCE

A. Use only qualified trained applicators for mixing and application of coating.
B. Coverage and hide shall be complete. When color, stain, dirt, or undercoats show through final coat of multi-color coating, the surface shall be covered by additional coats until the coating film is of uniform finish, color appearance, and coverage.

1.4 SUBMITTALS

A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
B. Samples:
   1. Material samples, 150 mm (six inches) square, showing the number of coats of coating material on each substrate to which the material is to be applied. Apply coating to the samples in a setback procedure, leaving exposed a portion of the substrate and subsequent portions of each coat.
   2. Color samples, minimum 75 mm by 125 mm (three inches by five inches), of each color specified.
C. Certificates:
   1. Letter of certification from the manufacturer stating that the applicator is approved for the multi-color coating material furnished.
   2. Letter of certification stating the technicians to be utilized for the application of the multi-color coating material have been trained by the coating manufacturer. Certification shall include statement
that specialized equipment as required by the coating manufacturer will be used in the application of the multi-color coating.

D. Manufacturer's Literature and Data:
1. Literature and data describing the coating material to be furnished.
2. Printed application instructions for each substrate.

1.5 PRODUCT DELIVERY, STORAGE, AND HANDLING

A. Deliver products in original containers, (seals unbroken) bearing factory-applied labels intact.
B. Store materials in one location designated by the Resident Engineer. Keep storage area clean, orderly, and well ventilated. Keep all waste and rags in metal containers, tightly covered, and safely dispose of at the end of each working day. Observe all precautions to avoid danger of fire. Provide approved type fire extinguishers immediately outside storage area. Maintain temperature in storage areas, at no less than 10°C (50 degrees F).

1.6 JOB CONDITIONS AND COORDINATION

A. Do not apply coating materials when temperature is below 10°C (50 degrees F). In order to prevent mildew, and improper drying of coating, provide adequate ventilation for escape of moisture from building. Once application has commenced, prevent wide variation of temperatures which might result in condensation on freshly coated surfaces.
B. Before application is started in any area, broom clean and remove excessive dust.
C. After application operations have begun in a given area, broom cleaning is prohibited; clean only with commercial vacuum cleaning equipment.
D. Adequate illumination shall be provided in all areas where application operations are in progress.
E. 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.
F. Multi-color coating application shall be completed prior to installation of mechanical and electrical device cover plates.

1.7 APPLICABLE PUBLICATIONS

A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by basic designation only.
B. The Master Painters Institute (MPI):
Approved Product List – March 2013
C. American Society for Testing and Materials (ASTM):
E84-10 ............... Surface Burning Characteristics of Building Materials
PART 2 - PRODUCTS

2.1 MULTI-COLORED COATING

A. Low odor, Class A Fire rated and listed per ASTM E84, bacteriostatic per MPI No. 112, plastic terpolymer coating, incorporating a high resistance to fungus, mildew, alkalinity, soil and abrasion.

B. All materials shall be used only as specified by manufacturer's direction label on the container or other technical publications.

C. Primer shall be approved MPI No. 125. These shall bear identifying labels on the containers. Thinners, if necessary, shall only be those as recommended by the manufacturer for the material being thinned.

D. All coating materials and equipment shall be compatible in use; finish coats shall be compatible with foundation coatings, overcoatings and the surfaces to be coated; all tools and equipment shall be compatible with the coating to be applied.

E. Provide ready mixed multi-color coating materials. Job tinting and mixing is not acceptable.

PART 3 - EXECUTION

3.1 INSPECTION AND ACCEPTANCE OF SURFACES

A. Follow manufacturer's instructions carefully so as to apply materials only to surfaces which are acceptable.

B. Before starting any work, surfaces to receive multi-color coatings shall be examined carefully for defects which cannot be corrected by the procedures specified under Article, PREPARATION OF SURFACES and which might prevent satisfactory results. Work shall not proceed until defects are corrected.

C. Application of coating materials shall constitute acceptance of the surface, and shall obligate Contractor for such repair as are necessary to repair any unsatisfactory finish resulting.

3.2 PREPARATION OF SURFACES

A. Prior to surface preparation and application operations, completely mask, remove, or otherwise adequately protect hardware, accessories, machined surfaces, plates, lighting fixtures, and similar items not scheduled to receive multi-color coating.

B. Before applying multi-color coating, thoroughly clean all surfaces involved. Schedule cleaning so that dust and other contaminants from the cleaning process do not fall on wet, newly coated surfaces.
C. All surfaces shall be clean, dry and adequately protected from dampness. Surfaces shall be smooth, even, and true to plane, and free of any foreign material which will adversely affect adhesion or appearance of applied coating.

D. Mildew shall be removed and neutralized.

E. Before coating is applied, surfaces shall be tested with moisture-testing device. No coating shall be applied when moisture content exceeds 12 percent except as may be required by the manufacturer of the coating materials used. Test sufficient area in each space, and as often as necessary to determine the proper moisture content for application.

F. Prime surfaces to receive multi-color coating with primer recommended by coating manufacturer. Use stark white primer. No top coating will be allowed if primer is any other color than stark white.

G. Sand and reprime all abrasions and damaged spots in the surface of the prime coat before proceeding with subsequent finish coat.

3.3 APPLICATION

A. Follow manufacturer's printed recommendations and instructions in application of multi-color coating materials.

B. Apply multi-color coating material by using high velocity, pressure differential spray technique, with variable control to assure uniform distribution and 100 percent full coat (continuous) coverage.

C. Equipment shall be kept clean and in proper condition to provide best quality work.

D. Evenly spread and smoothly apply materials free of runs, sags, holidays, lap marks, air bubbles, and pin holes to assure a smooth finish.

E. Suction or hot spots shall be touched up.

F. Finish material shall be applied in one coat over properly primed surfaces according to manufacturer's instructions and as required to meet specified requirements for sheen, texture and color.

G. Should any coat of coating be adjudged unsatisfactory, it shall be sandpapered or removed and additional coats applied as necessary until satisfactory finish is achieved.

H. Finish coat shall be MPI No. 121, clear top coat for multicolored coatings. Apply per manufacturers' instructions.

3.4 PROTECTION AND CLEAN UP

A. Protect the adjacent work and materials by suitable covering or other method, during application of the textured coating. Upon completion of the work, remove all coating material spots from the floors, glass and other surfaces. Remove from the premises all rubbish and accumulated materials and leave the work in clean, orderly and acceptable condition.
B. Contractor shall repair and recoat damaged surfaces. Repair and recoat damaged surfaces at no additional expense to the Government.

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