SECTION 09901
PAINTING OF PREVIOUSLY PAINTED SURFACES

PART 1 GENERAL

1.01 SUMMARY:

A. Section Includes:

1. Section 09902 - "PAINT, PUTTY, AND CAULKING MATERIALS FORM", pages 1 through 11, attached to and a part of this section.
2. Field painting of exposed and covered pipes, ducts (including color coding), hangers, exposed steel and iron work, and primed metal surfaces of equipment installed under mechanical and electrical work, except as otherwise indicated.
3. Repainting existing interior and exterior surfaces.
4. Six year warranty for labor and materials from the paint manufacturer.

B. Related Section:

1. 07900 - Joint Sealers.

1.02 REFERENCES


D. American Society for Testing and Materials (ASTM):

1. D3359-95a Test Methods for Measuring Adhesion by Tape Test.
3. D4262-83(88) pH of Chemically Cleaned or Etched Concrete Surfaces.

E. OSHA Workers Environmental Conditions.

G. Steel Structural Painting Council (SSPC) - 6.

1.03 DEFINITIONS

A. Alkyd: Oil-based paint.

B. Latex: Water-based paint.

C. New Work: Surface or area of a surface not previously painted, including areas patched, replaced, or sandblasted causing a painted or unpainted surface or part of a painted or unpainted surface to exist.

D. Old Work: Surface that has been previously painted.

E. Paint: All coating systems materials, including primers, emulsions, enamels, stains, varnishes, sealers and fillers, and other applied materials used as prime, intermediate, or finish coats.

F. Smooth: A surface free from roughness, ridges, and projections.

1.04 SUBMITTALS

A. APPROVED PAINT, PUTTY, AND CAULKING MATERIALS Form:

1. Within 45 days of the award of the contract by the Board, paint or related materials, (emulsions, enamels, lacquers, varnishes, sealers, etc.) shall be, in writing, shown to comply with M-DCPS Paints as appropriate.

2. Submit this form according to instructions in Part 1 of this section, at the Pre-Construction meeting.

3. Complete the form in conformance with requirements of this section and referenced in M-DCPS Paints.

4. Submittals for acceptance by M-DCPS Facilities Design and Quality Control (M-DCPS Paint Quality Staff).

B. Product Data: Submit Manufacturer Safety Data Sheet (MSDS), manufacturer's technical information, including paint label analysis and application instructions for each material proposed for use.

C. Samples:
1. Color Chips:
   a. Before starting work, furnish color chips for surfaces to be painted to the A/E. Color chips shall conform to approved colors as selected by the A/E and from M-DCPS Colors.
   b. Use representative colors when preparing samples for review.

2. Representative Samples:
   a. Submit representative samples for review of color and texture only.
   b. Provide listing of material and application for each coat of each finish sample.
   c. Provide three samples of each color and material on 6 inch x 18 inch panels with texture to simulate actual finish. Label and identify each as to location and application.
      1) Provide three samples of each color and material on 6 inch x 18 inch samples of natural and stained wood finish on actual wood surfaces. Label and identify each as to location and application.
      2) Provide three 6 inch x 18 inch samples of masonry for each type of finish and color, defining filler, prime and finish coat. Label and identify each as to location and application.
   d. Resubmit samples as requested by A/E until acceptable sheen, color, and texture are achieved.

3. Paint Sample: Provide 4-one quart containers of each color or type. Label each container with the school name, project number, name of the Contractor, name of the supplier, designated use, and type of paint in the container.

D. Warranty:
   1. Submit paint manufacturer's proposed 6 year warranty document.
   2. Submit paint manufacturer's proposed program of inspection and approval before and during the Work as required by paint manufacturer to implement the submitted 6 year warranty.
3. At the end of the paint work, provide to the Board, from the authorized paint manufacturer representative, a signed and notarized letter stating that the surfaces painted have met all the conditions for paint adhesion.

4. Warranties require acceptance by M-DCPS Paint Quality Staff.

1.05 QUALITY ASSURANCE

A. Qualifications: Paint applicator shall be licensed in the State of Florida or in Miami-Dade County and use state or county certified journeymen. Provide a legible copy of license and, when applicable, a journeyman's certification attesting to qualification requirements.

B. Certifications:

1. Paint applicator shall provide a certification attesting to having worked on projects similar in scope to this project for a minimum of 5 years. Paint applicator not providing such documentation or not having the required experience will be removed from the project and replaced by the Contractor.

2. Products shall be listed by the Florida School Plant Management Association.

C. Only Board approved materials will be allowed on the job site.

D. Quality assurance issues, including but not limited to, material selection, surface integrity and other tests, surface preparation, painting procedures, workmanship, and warrantability require review and acceptance by M-DCPS Paint Quality Staff.

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NOTE TO SPECIFIER: If this section is to be used strictly for a painting contract then modify in the following paragraph (and in paragraph 3.04A.1), the words "Pre-Construction Meeting" to read "Pre-Mobilization of Paint Work".

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E. Pre-Construction Meeting: At this meeting, or within 24 hours after that, Contractor Shall meet with the Board, A/E, Painting Subcontractor, representatives of the proposed materials manufacturers, and other parties involved in the work of this section. The agenda shall include:

1. Review of proposed materials, their status concerning
M-DCPS Paints and compliance with specifications.

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NOTE TO SPECIFIER: The following paragraph requires modification to suit existing construction.

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2. Procedures to be followed and methods to be used in painting of new work and repainting of existing surfaces, with special emphasis on testing, repair, and preparation of existing surfaces.

   a. Discuss and agree to modifications to the procedures established in Part 3 of this section required by the paint manufacturer in order to uphold the required 6 year warranty. Modifications, if any, are to be noted in writing by the manufacturer. Provide signed and notarized copies to A/E and the Board and to all other parties present at the preconstruction meeting.

   b. Review of improved or alternate methods suggested to prepare existing surfaces for repainting, based on on-site surveys and tests made by the parties present.

3. Explanation of duties of the M-DCPS Paint Quality Staff to review materials, methods, finished product, and warranties for the Board.

4. Coordination of the mockup requirements of this section and of other related sections.

5. Review of extent, procedures, and schedules for on-site tests, observation, and supervision by Materials Manufacturer's Representative according to requirements of this section and to enable the manufacturer to issue the required guarantees.

6. Review of warranties and guarantees required by the various parties, as specified in this section, in addition to the general guarantee required by Instructions to Bidders and General Conditions; and statement by all parties concerned of their agreement or objection to the terms. Such statements shall be recorded in writing as part of the minutes of the meeting, with action suggested or taken to comply with contract requirements.

F. Coordination of Work:

1. Review other sections of the specifications in which paint primers are provided to ensure compatibility of total coatings system for various substrates.

2. Upon request from other trades, furnish information
or characteristics of finish materials to be provided, to ensure compatible prime coats are used.

3. Phase projects to allow a minimum of 28 days for stucco and plaster to cure properly. If painting begins before the 28-day curing period, then a moisture and pH test shall be made according to ASTM D4262 and ASTM D4263. Provide a written record of such test and receive written approval from the A/E, paint manufacturer, and M-DCPS Paint Quality Staff.

G. Mockups:

1. Provide a mockup of each wall surface condition, allowing space for a minimum of 100 sq.ft. for each color of paint to be used for project wall surfaces. Construct and cure, for a minimum of 28 days, the mockup walls in the same manner as required for the permanent walls.

2. After coordinating and receiving approval for application onto designated mockup sample walls, apply the approved paint samples.

3. Duplicate painted finishes of prepared samples on actual wall surfaces and other exterior and interior building components or on specially constructed mockup walls.

4. Provide full coat finish samples on at least 100 sq.ft. of surface, as directed, until required sheen, color, and texture are obtained. Simulate finished lighting conditions for review of in-place Work.

   a. Final acceptance of colors will be from samples applied on mockup.

5. M-DCPS Paint Staff will test the mockup sample or selected painted surface according to ASTM D3359. If test fails, retesting shall be at the Contractor's expense.

H. Surfaces to be Painted:

1. Except where natural finish of material is specifically noted as surface not to be painted, paint exposed surfaces with colors are designated in schedules, or if not listed, verify color selection with A/E.

2. Where items or surfaces are not specifically mentioned, paint same as similar adjacent materials or areas.

3. If color or finish is not designated, coordinate with A/E for selection.
I. The following categories of Work are not included as part of field-applied finish work, unless otherwise specified:

1. Pre-Finished Items: Do not include painting of factory-finished or installer-finished specified items such as, but not limited to, pre-finished partition systems, acoustic materials, architectural woodwork and casework, elevator entrance doors and frames, elevator equipment, finished mechanical and electrical equipment, light fixtures, switchgear, and distribution cabinets.

2. Concealed Surfaces: Painting is not required, unless noted otherwise on the Drawings, on concrete or masonry surfaces such as walls or ceilings in concealed and generally inaccessible areas, foundation spaces, furred areas, utility tunnels, pipe spaces, duct shafts, and elevator shafts.

3. Finished Metal Surfaces: Metal surfaces of anodized or enameled aluminum, stainless steel, chromium plate, copper, bronze, and similar finished materials will not require finish painting.

4. Operating Parts: Moving parts of operating units, mechanical and electrical parts, such as valve and damper operators, linkages, sensing devices, motor and fan shafts will not require finish painting.

J. Shop Priming:

1. Shop priming of ferrous metal items is included under various sections for structural steel, metal fabrications, hollow metal work, and similar items.

2. Shop priming of fabricated components such as architectural woodwork, wood casework and shop-fabricated or factory-built mechanical and electrical equipment or accessories are included under other sections of these specifications.

K. Do not paint over code-required labels such as Underwriters Laboratories (UL) and Factory Mutual (FM), name, equipment identification, performance rating, or nomenclature plates.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to job site in original, new, and unopened packages and containers bearing manufacturer's name and label, and following information:

1. Name or title of material.
3. Manufacturer's stock number and date of manufacture.
4. Manufacturer's name.
5. Contents by volume, for major pigment and vehicle constituents.
6. Application instructions.
7. Color name and number.
8. Indicate if paint is for interior or exterior use.

B. Storage:

1. Store materials not in actual use in tightly covered containers.
2. Maintain containers used in storage of paint in a clean condition, free of foreign materials and residue.
3. Protect from freezing or extreme heat, 95 degrees F. or above.
4. Keep storage area neat and orderly.
5. When flammable materials are to be left on-site during the Work, store the tightly covered materials in cabinets meeting the requirements of NFPA 30 and have an FM and UL label.
6. Remove from the project site contaminated products from oil-based products and their by-products, by the end of each working day.

1.07 PROJECT CONDITIONS

A. Environmental Requirements:

1. Apply water-based paints only when temperature of surfaces to be painted and surrounding air temperatures are between 50 and 90 degrees F., unless otherwise allowed by paint manufacturer's printed instructions.
2. Do not apply paint in rain, fog, or mist, or when relative humidity exceeds 85 percent, or to damp or wet surfaces, unless otherwise allowed by paint manufacturer's printed instructions.
3. Do not perform work where plaster or cement is being applied or is in the curing process.
4. Do not apply paint in areas that are not broom clean and free of dust and debris.
5. Painting may be continued during inclement weather if areas and surfaces to be painted are enclosed and heated within temperature limits specified by paint manufacturer during application and drying periods.

B. Workers Environmental Conditions:
1. Comply with the standards established in OSHA Workers Environmental Conditions.

2. Take precautions to ensure that personnel and work areas are adequately protected from fire and health hazards resulting from handling, mixing and application of paints.

3. Illumination: Provide lighting equal to the permanent lighting planned for designated space.

4. Ventilation: Provide adequate ventilation to prevent buildup of fumes.

**NOTE TO SPECIFIER:** The following subparagraph is applicable for projects occupied during Work.

5. Contain and prevent vapors or dust generated by the Work from polluting adjacent occupied space.

### 1.08 SEQUENCING AND SCHEDULING

**NOTE TO SPECIFIER:** The following paragraph may not apply to some renovation projects.

A. Phase projects to allow a minimum of 28 days to properly cure concrete and stucco/plaster surfaces before the application of paint.

B. Phase the project to allow reasonable time for the inspection and written approval at each phase of the work by the Paint Manufacturer's Representative.

### 1.09 WARRANTY

A. Provide a written guarantee, co-signed jointly and severally by the Painting Subcontractor and Materials Manufacturers, against cracking, peeling, flaking, chalking and mildew on interior painted surfaces, and additionally against erosion and unreasonable fading on exterior surfaces, for six years; agreeing to repair and repaint surfaces affected by such defects, at no cost to the Board including necessary removal or protection of other work, without limit, within 30 days after notification by the Board, and to perform such work based on the provisions of this section, including extension of the guarantee to cover new work.

### 1.010 MAINTENANCE
A. Provide 2 five-gallon containers, properly labeled and sealed, of each type and color of finished paint used on the project. If less than 10 gallons of a particular type and color was used, then provide 1 one-gallon container.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Use approved manufacturers listed in the current issue of M-DCPS Paints, available from M-DCPS Materials Control, 7040 West Flagler Street, Miami, Florida.

2.02 MATERIALS

A. Use materials listed in the current issue of M-DCPS Paints, available from M-DCPS Materials Control.

1. Latex-based materials shall be used for painting of exterior and interior surfaces.

B. When materials of type and formulation not on approved lists are specified in this section, obtain approval from the M-DCPS Materials Control and M-DCPS Paint Quality Staff for the specific coating proposed for use before materials are submitted to the A/E for review.

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NOTE TO SPECIFIER: Edit the following paragraph to conform to project requirements. Existing buildings surfaces must be tested to verify latex-based paints will adhere.

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C. Primers, Undercoats, Split and Finish Coats: Use materials from same manufacturer when such materials are applied on same surface.

D. Paints for interior and exterior use shall be factory tinted with each stage of coating application (primer, first coat, and finish coat) to be visually distinguishable from the preceding coat until the final coat. The final coat shall match the selected color.

1. Label each container indicating whether it is primer, first coat, or finish coat.
2. Label each container with the name and number of the color.
3. Label each container indicating if it is intended for exterior or interior usage.
E. Color Selection:

1. Select colors from M-DCPS Colors.
2. If color is not listed for a specific area or item, Contractor is not relieved of responsibility for providing colors subsequently selected.
3. Color selection made by A/E is to determine basic color required for surface.
4. Colors with same designation but produced from two or more sources shall match when viewed from distance of 24 inches or more.
5. Final application of colors shall match prepared samples approved by A/E.

F. Storage Cabinets and Disposal Containers for Flammable Materials:

1. Meet the requirements of NFPA 30.
2. Contain Factory Mutual (FM) label and Underwriters Laboratories label.

PART 3 EXECUTION

3.01 INSPECTION

A. Pre-Construction Inspection: In conjunction with the meeting required in Part 1 of this section, the Painting Subcontractor and the Materials Manufacturer Representative shall conduct on-site inspections and perform tests to determine:

1. Condition of existing paint finishes.
2. Suitability for receiving the new specified repainting materials.
3. Whether the corrective and preparatory work specified below is adequate, excessive, or insufficient to obtain the required performance criteria required in this section and the guarantee.

B. Do not proceed with the work of this section until conditions detrimental to the proper and timely completion of the work have been corrected in an acceptable manner.

C. Start of painting operations implies acceptance of the surface conditions and responsibility for required standards of quality and appearance.

3.02 PREPARATORY WORK
A. Remove electrical outlet and switch cover plates, finish hardware escutcheons and cover plates, air-conditioning registers, and other finished items installed on surfaces to be painted, and replace afterwards or provide protection as approved by A/E. Protect items and surfaces that cannot be removed or that do not interfere with the painting, and leave clean and completely free of paint.

B. Clean surfaces of all dirt, dust, or other contaminants that affect adhesion of paint or appearance of paint. Clean grease and oil from metal surfaces with turpentine or mineral spirits, and wipe dry before priming. Wire brush or sand metal surfaces to remove rust and scale. Touch-up factory primed surfaces with compatible factory primers. Schedule the cleaning so that contaminants from the cleaning process will not fall onto the wet painted surfaces.

C. Fill nail holes, cracks, open joints, and other defects after priming or first coat is dry and before second coat is applied.

D. Allow all coats to dry thoroughly before applying succeeding coats. Comply with paint manufacturer's recommendations.

E. Prime finished work not shop coated when delivered to the job or as soon as possible after that. Back prime all woodwork to be erected against masonry or concrete before erection. Protect the tops and bottoms of all wood doors with a heavy coat of varnish before installation.

F. Clean and sand surfaces between coats with 150 Fine sandpaper or as recommended by the paint manufacturer.

G. Special Preparatory and Corrective Work on Previously Painted Surfaces: As a minimum, in addition to the general requirements specified above, perform the following work on existing painted surfaces before starting application of new materials:

1. Interior and Exterior: Remove loose, peeling, or flaking paint, chalking, and mildew. Sand surfaces to produce a smooth, even surface, free of sharp edges where paint has been partially removed, with an even texture and uniform absorptive quality. Provide additional partial or total priming coats if required to obtain uniform finish in color and sheen.
a. Mildew Removal: Prepare a diluted bleach solution with one volume of fresh household bleach to three volumes of water. Add to each gallon of diluted bleach two-thirds cup of trisodium phosphate (Solilax or equivalent) and one-third cup of detergent (Tide or equivalent). Allow to stand for 45 minutes. Clean thoroughly with high-pressure water and allow to dry completely before starting painting operations. Repeat treatment in areas that show signs of mildew after surface is dry.

1) Workers shall wear proper safety clothing and necessary accessories, such as goggles.
2) Protect adjacent surfaces that will be affected by the application of the mildew removal solution.
3) Prevent water runoff from soaking into the ground and spilling onto plants. Replace damaged plants with like plants, at no cost to the Board.

b. Preparation for Latex-Based Coating Over Oil-Based Coating: Prepare existing oil-based coating according to latex-based coating manufacturer's recommendations.

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NOTE TO SPECIFIER: Verify the existing exterior surface condition is capable of withstanding a minimum of 3,500 psi water pressure cleaning methods or sandblasting. Address any special concerns that may be impacted by the water pressure cleaning or sandblasting method.

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2. Additional Exterior Surface Requirements: Pressure clean at a minimum of 3,500 psi using a zero degree oscillating tip to remove loose, peeling, or flaking paint and chalking. Follow with sandblasting on surfaces where the water cleaning does not produce the required surface for new paint application, or where the existing paint material is not compatible with the new materials. The extent of preparatory work will be determined by the Contractor, painting subcontractor, and material manufacturer representative, based on production of work of quality that can be covered by required guarantees.

3.03 APPLICATION

A. General:
1. Perform work in a thorough and professional manner in conformance with accepted good practices and requirements of authorities having jurisdiction.

2. Protect finished materials and areas not to be painted by using drop cloths, masking, or other accepted methods.

3. Elimination of transition primer, at a surface with a well bonded acrylic finish, requires prior acceptance by M-DCPS and the submitting paint manufacturer.

4. Provide adequate ventilation for proper drying of surfaces before and after painting.

5. Drying Period: Allow each coat to dry thoroughly before succeeding coats are applied. Minimum drying time shall be according to manufacturer's recommendations.

6. Paint Shading: Each coat of paint shall vary sufficiently to easily distinguish it from previous coats of paint, both interior and exterior applications.

7. Observation and Acceptance: As required by paint manufacturer between coats before application of next coat of paint materials.

B. Apply materials, as they come from manufacturer, to dry surfaces according to manufacturer's directions as printed on container.

1. Any mixing on site requires specific and special approval of both the Board and the A/E.

C. Apply paint materials to give an even, solid color with each coat.

1. For deep tone finish colors, use Deep Base Primers recommended by manufacturer.

D. Apply paint materials by brush, roller, or spray method.

1. Select method best suited to profile, texture, and finish of existing surface, subject to suitability regarding safety and conditions in existing or occupied areas, and subject to approval by paint manufacturer and A/E.

2. Apply materials evenly, smoothly flowed on and cut in neatly, without runs, sags, wrinkles, shiners, streaks and brush marks; drying uniformly to color and sheen selected. Make dividing lines that separate colors straight and clean cut.

E. Dry Film Thickness:
1. Comply with manufacturer's specifications.
2. Minimum Dry Film Thickness: 5 mils (unless otherwise recommended by paint manufacturer), total finished application. Reduction of minimum thickness due to special coating characteristics or application procedures requires written approval for each case.

3.04 FIELD QUALITY CONTROL

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NOTE TO SPECIFIER: The following subparagraph A.2 is an example of the information required to determine the areas that will be representative of the various existing surface conditions that need to be tested for paint adhesion. Edit to suit project conditions.

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A. Paint Adhesion Test:

1. Prepare representative areas of the building for testing adhesion of new paint to existing surfaces. Each area shall be a minimum of 9 square feet (3'-0" x 3'-0").
2. Areas to be Tested:
   a. Cafeteria (Room No. ___), east and north wall.
   b. Auditorium (Room No. ___), east and west wall.
   c. Classroom (Room No. ___), south wall.
   d. Corridor(s), every 50 feet.
3. Allow newly painted test area to dry within the manufacturer's recommended drying time.
4. M-DCPS Paint Quality Staff will test the selected painted surface according to ASTM D3359. If test fails, retesting shall be at the Contractor's expense.

B. Notify A/E, material manufacturers representatives, and M-DCPS Paint Quality Staff when critical points in the painting and repainting work are reached, to allow timely inspection and approvals. Critical points include during and after the operation, plus other points designated by the Board, A/E, or material manufacturer representatives:

1. Pressure cleaning or sandblasting of existing exterior surfaces.
2. Removal of existing paint.
4. Sealing of surfaces.
5. Application of primer and transition coats. Adhesion testing of primer and topcoats may be required.
6. Intermediate and finish coats.

3.05 ADJUSTING AND CLEANING

A. Remove construction debris, material containers, equipment, and other trash resulting from work of project.

B. Upon completion of work, remove stains and paint spots from floors, wall, woodwork, electric trim, hardware, fixtures, and other items of the Board's property.

C. Dispose oil-based products, their by-products, and waste contaminated by them, in a manner acceptable to M-DCPS Safety and Environmental Hazards Management.

3.06 IDENTIFICATION OF SURFACES AND PAINTING SCHEDULE

A. Material designations (e.g. MP-26) refer to coatings listed in M-DCPS Paints.

1. Submit requests for substitutions originating from the materials manufacturers at the Pre-Construction meeting specified in Part 1 of this section.
2. Such substitutions will be considered only to allow manufacturers to meet the terms of guarantees required, and will be subject to approval by the A/E.
3. Substitutions from other sources will be considered as provided in Instructions to Bidders and General Conditions.

B. Special Notes:

1. Sand surfaces normally smooth before application of paint materials and between coats of paint.
2. Preparation not completed or overlooked before application of first coat of paint shall be accomplished between coats of paint, regardless of acceptance on original preparation.
3. Severely corroded metal, if not specified for replacement, may need sandblasting according to SSPC-6 to achieve a warrantable surface for paint.

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NOTE TO SPECIFIER: The following Paint Schedule is a general guideline only and is not intended as the final Paint Schedule for any Board project. M-DCPS Facilities Design and Quality Control paint quality staff will provide a report, to the A/E, of adhesion testing and recommended paints and manufacturer's to incorporate into the paint specification. With this data, generate a project specific Paint Schedule complying with M-DCPS Paints (latest edition), and the requirements as specified.

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C. EXTERIOR SURFACES PAINT SCHEDULE

1. Walls or Ceilings with Oil-based Paints: The Board is in the process of converting from oil to latex on previously painted schools. This conversion requires the use of an oil-based transition primer/sealer.

   1st Coat Acrylic latex primer or oil-based transition primer sealer.
   2nd Coat Acrylic latex semi-gloss.
   3rd Coat Acrylic latex semi-gloss.

2. Stucco Walls with Oil-based or Latex Paints:

   1st Coat Acrylic primer-sealer or oil-based transition primer sealer.
   2nd Coat Elastomeric waterproofer.
   3rd Coat Elastomeric waterproofer.

3. Metal Doors:

   1st Coat Field applied rust inhibitive primer over shop primer.
   2nd Coat Acrylic latex enamel.
   3rd Coat Acrylic latex enamel.

4. Stucco or Concrete Ceilings:

   1st Coat Acrylic latex primer.
   2nd Coat Acrylic latex semi-gloss.
   3rd Coat Acrylic latex semi-gloss.

5. Wood:

   1st Coat Sanding Sealer.
   2nd Coat Acrylic latex semi-gloss.
   3rd Coat Acrylic latex semi-gloss.

D. INTERIOR SPACES PAINT SCHEDULE

1. Walls and Ceilings not Acoustically Treated: The Board is in the process of converting from oil to latex on previously painted schools. This conversion requires the use of an oil-based transition primer/sealer.

   1st Coat Acrylic latex wall primer or oil-based transition primer sealer.
   2nd Coat Acrylic latex semi-gloss.
   3rd Coat Acrylic latex semi-gloss.
2. Other Interior Ceilings Not Covered:

1st Coat Acrylic latex primer.
2nd Coat Acrylic latex semi-gloss.
3rd Coat Acrylic latex semi-gloss.

3. Metal Doors:

1st Coat Field applied rust inhibitive primer over shop primer.
2nd Coat Acrylic latex semi-gloss undercoat.
3rd Coat Acrylic latex semi-gloss.

4. Natural Finish Wood- Shelving and Cabinets:

1st Coat Stain (to achieve a uniform shade).
2nd Coat Sanding sealer.
3rd Coat Gloss varnish.
4th Coat Gloss varnish.

5. Natural Finish Wood - Interior Doors, Frames, and Trim:

1st Coat Sanding sealer.
2nd Coat Gloss varnish.
3rd Coat Gloss varnish.

6. Wood Surfaces and Doors:

1st Coat Wood primer.
2nd Coat Acrylic latex semi-gloss.
3rd Coat Acrylic latex semi-gloss.

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NOTE TO SPECIFIER: The following item is for CCTV backdrop wall only. Delete if not required for the project. Verify that there are no appurtenances of any kind on the designated CCTV backdrop wall and that the Drawings delineate the designated CCTV backdrop wall area.

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7. Closed Circuit Television (CCTV) Backdrop Wall:

1st Coat Unpainted plaster enamel primer or sealer.
2nd Coat Tough Prime by Rosco Laboratories, Inc., Port Chester, NY, or accepted equivalent.
3rd Coat No.5710 Chroma Key Blue by Rosco Laboratories, Inc. or Behr flat latex interior base #1300 with tints E6Y, KX2Y, and V2Y.
4th Coat No. 5710 Chroma Key Blue by Rosco Laboratories, Inc. or Behr flat latex interior base #1300 with tints E6Y, KX2Y, and V2Y.

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NOTE TO SPECIFIER: Use the above Chroma Key Blue for the 3rd and 4th coats. Exception will be at schools with proposed school uniform colors of blue, then Chroma Key Green as noted below shall be used for the 3rd and 4th coats.

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3rd Coat Chroma Key Green by Sherwin Williams with base Y38Y108 and tints G1 - 10Y32, Y3 - 16, B1 - +1, and Y1 - 12 or Pantone S 286-1 accepted equivalent.

4th Coat Chroma Key Green by Sherwin Williams with base Y38Y108 and tints G1 - 10Y32, Y3 - 16, B1 - +1, and Y1 - 12 or Pantone S 286-1 accepted equivalent.

E. INTERIOR AND EXTERIOR PAINT SCHEDULE

1. Galvanized Metal: Apply neutralizer and allow to dry thoroughly.

   1st Coat Galvanized metal primer.
   2nd Coat Acrylic latex enamel (or aluminum paint).
   3rd Coat Acrylic latex enamel (or aluminum paint).

2. Metal Sash - Doors and Frames:

   1st Coat Metal primer.
   2nd Coat Acrylic latex enamel (or aluminum paint).
   3rd Coat Acrylic latex enamel (or aluminum paint).

3. Exposed Ferrous Metal:

   1st Coat Rust inhibitive primer (reference page F-1 of M-DCPS Paints).
   2nd Coat Acrylic latex enamel.
   3rd Coat Acrylic latex enamel.

4. Exterior Ungalvanized Metal Including Pipe Systems Subjected to Corrosive/Chemical Environments. System shall be at least 10 mil minimum dry film thickness.

   1st Coat High-performance rust inhibitive primer of aluminum epoxy mastic or accepted equivalent.
   2nd Coat High-performance chemical resistance...
coating.
3rd Coat High-performance chemical resistance coating.

5. Other Metals Not Previously Mentioned:

1st Coat Rust inhibitive metal primer.
2nd Coat Acrylic latex enamel (or aluminum paint).
3rd Coat Acrylic latex enamel (or aluminum paint).

END OF SECTION