SECTION 09 90 01
CEMENT-BASED
ROLL ON POOL
PLASTER

PART 1 GENERAL

1.1 RELATED REQUIREMENTS

A. Coating Included
   1. Where a space or surface is indicated to be painted, include the following unless indicated otherwise.
      a. Existing unpainted pool plaster, marcite, poured concrete gunite & shotcrete pools.
      b. Existing coated surfaces that are damaged during performance of the work.
      c. Existing coated surfaces made bare by cleaning operations. Where a space or surface is indicated to be painted, include the following items, unless indicated otherwise: other contiguous surfaces.
B. Painting Excluded
   1. Do not paint the following unless indicated otherwise.
      a. Copper, stainless steel, aluminum, anodized aluminum, brass, and lead except existing coated surfaces.
      b. Hardware, fittings, and other factory finished items

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.
   1. U.S. ARMY CORPS OF ENGINEERS (USACE)
      a. EM 385-1-1 (2024) Safety -- Safety and Occupational
   2. U.S. GENERAL SERVICES ADMINISTRATION (GSA)
      a. FED-STD-313 (2018) Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities

1.3 SAFETY AND HEALTH

A. Comply with applicable Federal, State, and local laws and regulations.
   1. Toxic Materials
      a. To protect personnel from overexposure to toxic materials, conform to the most stringent guidance of:
         1) The applicable manufacturer's Safety Data Sheets (SDS) or local regulation. 29 CFR 1910.1000, ACGIH 0100, threshold limit values.

1.4 SUBMITTALS

A. Government approval is required for all submittals. Submit in accordance with the MSS.

1.5 QUALITY ASSURANCE

A. Regulatory Requirements

1. Environmental Protection
   a. In addition to requirements specified elsewhere for environmental protection, provide coating materials that conform to the restrictions of the local Air Pollution Control District and regional jurisdiction.
   b. Notify the Contracting Officer of any paint specified herein which fails to conform.
2. Lead Content
   a. Do not use coatings having a lead content over 0.06 percent by weight of nonvolatile content.
3. Chromate Content
   a. Do not use coatings containing zinc-chromate or strontium-chromate.
4. Asbestos Content
   a. Provide asbestos-free materials.
5. Mercury Content
   a. Provide materials free of mercury or mercury compounds.
6. Silica
   a. Provide abrasive blast media containing no free crystalline silica.
7. Human Carcinogens
   a. Provide materials that do not contain ACGIH 0100 confirmed human carcinogens (A1) or suspected human carcinogens (A2).
8. Carbon Based Fibers / Tubes
   a. Materials must not contain carbon based fibers such as carbon nanotubes or carbon nanofibers. Intelligence Bulletin 65 ranks toxicity of carbon nanotubes.

1.6 COATING CONTRACTOR'S QUALIFICATION

A. Submit evidence that key personnel have successfully performed surface preparation and application of coatings on a minimum of three similar projects within the past three years. List information by individual.

1.7 APPROVED PRODUCTS LIST

A. Provide cement-based roll-on pool plaster.
B. Provide fiber reinforced trowel applied concrete and resurfacing repair mortar for repair work.
C. Provide Resin M50 bonding agent.

1.8 PACKAGING, LABELING, AND STORAGE

A. Provide products in sealed containers that legibly show the Contract specification number, designation name, formula or specification number, batch number, color, quantity, date of manufacture, manufacturer's formulation number, manufacturer's directions including any warnings and special precautions, and name and address of manufacturer.
B. Storage: Shelter in a dry environment away from extreme heat, direct sunlight, rain, and freezing temperatures.

1.9 SAFETY AND HEALTH

A. Comply with applicable Federal, State, and local laws and regulations.

1.10 ENVIRONMENTAL REQUIREMENTS

A. Comply, at minimum, with manufacturer’s recommendations for space ventilation during and after installation

1.11 Coatings

A. Do not apply coating:
   1. If more than the manufacturers' time recommendation(s) elapses between coats; follow manufactures' recommendation(s) should this occur, at a minimum, the coating shall be removed to provide sufficient profile for adhesion.
   2. If the material, substrate or ambient temperature is below 45°F or above 100°F, unless specifically pre-approved by the Contracting Officer and the product manufacturer. Do not, under any circumstances, violate the manufacturer's application recommendations.
   3. To overheated, excessively dry or frozen substrate, or during periods of high winds. Mist as necessary to prevent rapid drying in high temperature applications.
   4. If surface temperature is within 5°F of the dew point.
B. Surface Preparation:
   1. Any imperfections such as cracks, holes, and gouges shall be filled with approved repair materials, to include bonding agents, suitable for pool use and compatible with all approved pool coatings. Follow all manufacturer directions, recommendations, and instructions. The pool surface to be coated must be free from all oils, grease, wax, dust, dirt, mildew, and any other foreign contaminant before painting.

PART 2 PRODUCTS

2.1 MATERIALS

A. Basis of specification:
   1. Cement based roll-on pool plaster.
   2. Fiber reinforced trowel applied concrete and resurfacing repair mortar.
   3. Resin M50 bonding agent.
B. Conform to the coating specifications and standards referenced in PART 3. Submit Product Data Sheets for specified coatings and solvents. Provide preprinted cleaning and maintenance instructions for all coating systems. Submit Manufacturer's Instructions on Mixing: Detailed mixing instructions, minimum and maximum application temperature and humidity, pot life, and curing and drying times between coats.
C. Color Selection Of Finish Coats
   1. Provide physical samples of finish coat colors from all of the approved manufacturers' color lines. Final color selection shall be by the Contracting Officer.

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PART 3 EXECUTION

3.1 PROTECTION OF AREAS AND SPACES NOT TO BE PAINTED

A. Prior to surface preparation and coating applications, remove, mask, or otherwise protect hardware, hardware accessories, machined surfaces, and other such items not to be coated that are in contact with surfaces to be coated. Following completion of coating, reinstall removed items by workmen skilled in the trades. Restore surfaces contaminated by coating materials, to original condition and repair damaged items.

3.2 CONCRETE CRACKS AND JOINTS

A. Surface Condition
   1. Begin with surfaces that are clean, dry to the touch, and free from frost and moisture; remove grease, oil, wax, lacquer, paint, defective backstop, or other foreign matter that would prevent or impair adhesion of coatings. Follow the manufacturer's recommendations, instructions, and directions in the application of repair materials, to include any required ancillary products. All products used must be compatible with the approved and/or equal coating components.

3.1 SURFACE PREPARATION

A. Existing plaster, concrete or masonry surfaces must be solid, sound and free of all bond inhibiting materials including dirt, algae, efflorescence, release agents, grease, oils and other foreign particles. Remove paint and loose/damaged materials by water blasting, sandblasting or mechanical wire brushing. Damages, loose plaster, indentions, high stress areas and cracks in the existing surface must be repaired using manufacturer's approved product prior to the application of final pool coating. Apply a layer of tape to all jets, returns, drains and tiles to protect from the coating.
B. Remove dirt, splinters, loose particles, grease, oil, disintegrated coatings, and other foreign matter and substances deleterious to coating performance as specified for each substrate before application of surface treatments. Remove oil and grease prior to mechanical cleaning.
C. Schedule cleaning so that dust and other contaminants will not fall on wet, newly coated surfaces. Remove blistering, cracking, flaking and peeling or otherwise deteriorating coatings. Provide new, proposed coatings that are compatible with existing coatings.
D. Additional Requirements for Preparation of Surfaces With Existing Coatings
   1. Before application of any coatings, perform the following on surfaces covered by soundly-adhered coatings, defined as those which cannot be removed with a putty knife:
      a. Test existing finishes for lead before sanding, scraping, or removing. If lead is present, notify the Contracting Officer immediately and refer to paragraph 1.3 Toxic Materials.
      b. Wipe the surfaces dry with a clean, dry, lint free cloth. Wipe immediately preceding the application of the first coat of any coating, unless specified otherwise.
      c. The requirements specified are minimum. Comply also with the manufacturer's application recommendations, instructions, and directions and specific surface preparation requirements as outlined in MPI MRM Exterior Surface Preparation.
      d. Thoroughly clean previously coated surfaces specified to be repainted and/or damaged during construction of all grease, dirt, dust or other foreign matter.
   2. Before application of any coatings, follow manufacturer's recommendations, instructions, and directions for approved products. At a minimum, perform the following on surfaces covered by deteriorated coatings, defined as those which can be removed with a putty knife:
      a. Test existing finishes for lead before sanding, scraping, or removing. If lead is present, refer to paragraph 1.3 Toxic Materials.
      b. Remove blistering, cracking, flaking and peeling or otherwise deteriorating coatings.
      c. Remove chalk so that when tested in accordance with ASTM D4214, the chalk resistance rating is no less than 8.
      d. Roughen slick surfaces. Repair damaged areas such as, but not limited to,

holes, cracks, chips, and spalls with material to match adjacent undamaged areas and compatible with all approved sealants and coatings.

e. Feather and sand smooth edges of chipped paint.

f. Clean rusty metal surfaces in accordance with SSPC requirements. Use solvent, mechanical, or chemical cleaning methods to provide surfaces suitable for painting.

E. Provide new, proposed coatings that are compatible with existing coatings.

3.2 SUBSTRATE REPAIR

A. Repair all substrate surfaces damaged during coating removal at no additional cost to the government.

B. Clean and prepare the substrate per manufacturer's recommendations, instructions, and directions.

3.3 PREPARATION OF CONCRETE AND CEMENTITIOUS SURFACE

A. Concrete and Masonry

1. Surface Cleaning:

a. Remove the following deleterious substances:

(1) Dirt, Chalking, Grease, and Oil. Wash existing surfaces with a solution composed of 0.2 liter 1/2 cup trisodium phosphate, 0.1 liter 1/4 cup household detergent, and 6.4 liters 4 quarts of warm water. Then rinse thoroughly with fresh water. For large areas, water blasting may be used. All water used for cleaning and rinsing must be captured. All cleaning agents must be approved by the BOS Environmental Flight.

(2) Fungus and Mold: Wash existing coated, and existing uncoated surfaces with a solution composed of 0.2 liter 1/2 cup trisodium phosphate, 0.1 liter 1/4 cup household detergent, 1.6 liters one quart 5 percent sodium hypochlorite solution and 4.8 liters 3 quarts of warm water. Rinse thoroughly with fresh water. All water used for cleaning and rinsing must be captured. All cleaning agents must be approved by the BOS Environmental Flight.

2. Cosmetic Repair of Minor Defects:

a. Repair all joints and minor defects, including but not limited to spalls, in accordance with the approved products manufacturer's recommendations, prior to coating application.

3.4 APPLICATION

A. Coating Application

a. At the time of application, coating must show no signs of deterioration. Maintain uniform suspension of pigments during application.

b. Unless otherwise specified or recommended by the coating manufacturer, coating may be applied by brush and roller. Wear protective clothing and respirators when applying oil-based paints or using spray equipment with any coatings.

c. Only apply coatings, except water-thinned types, to surfaces that are completely free of moisture as determined by sight or touch.

d. Thoroughly work coating materials into joints, crevices, and open spaces.

Pay special attention to ensure that all edges, corners, crevices, welds, and rivets receive a film thickness equal to that of adjacent painted surfaces.

e. Apply each coat of coating so that dry film is of uniform thickness and free from runs, drops, ridges, waves, pinholes or other voids, laps, brush marks, and variations in color, texture, and finish. Completely hide all blemishes.

f. Touch up damaged coatings before applying subsequent coats.

g. Finished Surfaces: Provide finished surfaces free from runs, drops, ridges, waves, laps, brush marks, and variations in colors.

A. Coating Systems

1. Provide cement based roll-on pool plaster
2. Provide fiber reinforced trowel applied concrete and resurfacing repair mortar.
3. Provide Resin M50 bonding agent.
   a. All coated surfaces to receive the following:
      1) One coat of undercoat or intermediate coat.
      2) One topcoat.
   b. Coatings for Surfaces Not Specified Otherwise: Coat unspecified surfaces the same as surfaces having similar conditions of exposure.
   c. Coat Existing Surfaces Damaged During Performance of the Work, and New Patches In Existing Surfaces:
      1) One coat of undercoat or intermediate coat.
      2) One topcoat. All damaged or new patched areas shall match adjacent surfaces in finish, coverage, and consistency.

- End of Section --

4705 SECTION 09 90 02
RUBBER POOL PAINT
(CHLORINATED)

PART 1 GENERAL

1.1 RELATED REQUIREMENTS

A. Painting Included: Lettering, Pool Depth Numbers, and Lane Markings
   1. Provide lettering, pool depth numbers, and lane markings as indicated on the drawings. Provide physical samples which must be approved prior to application.
   2. Where a space or surface is indicated to be painted, include the following unless indicated otherwise.
   3. Existing unpainted pool plaster, marcite, poured concrete (coated or uncoated), gunite & shotcrete pools (with basecoat).
   4. Existing coated surfaces that are damaged during performance of the work.
   5. Existing coated surfaces made bare by cleaning operations. Where a space or surface is indicated to be painted, include other contiguous surfaces, unless indicated otherwise.

B. Painting Excluded
   1. Do not paint the following unless indicated otherwise:
      a. Copper, stainless steel, aluminum, anodized aluminum, brass, and lead except existing coated surfaces.
      b. Hardware, fittings, and other factory finished items.

1.2 REFERENCES

B. The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.
   3. ASTM INTERNATIONAL (ASTM)
      a. ASTM C920 (2018; R 2024) Standard Specification for Elastomeric Joint Sealants MASTER PAINTERS INSTITUTE (MPI)
   4. SOCIETY FOR PROTECTIVE COATINGS (SSPC)
      a. SSPC 7/NACE No.4 (2007) Brush-Off Blast Cleaning
      b. SSPC Glossary (2011) SSPC Protective Coatings Glossary
   5. U.S. ARMY CORPS OF ENGINEERS (USACE)
      b. EM 385-1-1 (2024) Safety -- Safety and Occupational
   6. U.S. GENERAL SERVICES ADMINISTRATION (GSA)
      b. FED-STD-313 (2018) Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities

1.3 SAFETY AND HEALTH

B. Comply with applicable Federal, State, and local laws and regulations.
   2. Toxic Materials
      b. To protect personnel from overexposure to toxic materials, conform to the most stringent guidance of:
         2) The applicable manufacturer's Safety Data Sheets (SDS) or local regulation. 29 CFR 1910.1000, ACGIH 0100, threshold limit values.

1.4 SUBMITTALS

A. Government approval is required for all submittals. Submit in accordance with the MSS.

1.5 QUALITY ASSURANCE

B. Regulatory Requirements
   9. Environmental Protection
      c. In addition to requirements specified elsewhere for environmental protection, provide coating materials that conform to the restrictions of the local Air Pollution Control District and regional jurisdiction.
      d. Notify the Contracting Officer of any paint specified herein which fails to conform.
   10. Lead Content
      b. Do not use coatings having a lead content over 0.06 percent by weight of nonvolatile content.
   11. Chromate Content
      b. Do not use coatings containing zinc-chromate or strontium-chromate.
   12. Asbestos Content
      b. Provide asbestos-free materials.
   13. Mercury Content
      b. Provide materials free of mercury or mercury compounds.
   14. Silica
      b. Provide abrasive blast media containing no free crystalline silica.
   15. Human Carcinogens
      b. Provide materials that do not contain ACGIH 0100 confirmed human carcinogens (A1) or suspected human carcinogens (A2).
   16. Carbon Based Fibers / Tubes
      a. Materials must not contain carbon based fibers such as carbon nanotubes or carbon nanofibers. Intelligence Bulletin 65 ranks toxicity of carbon nanotubes on a par with asbestos.

1.6 COATING CONTRACTOR'S QUALIFICATION

B. Submit evidence that key personnel have successfully performed surface preparation and application of coatings on a minimum of three similar projects within the past three years. List information by individual.

1.7 APPROVED PRODUCTS LIST

A. Provide a high-performance, semi-gloss solvent-based coating designed for masonry, concrete, marcite, and gunite in-ground pools.

1.8 PACKAGING, LABELING, AND STORAGE

A. Provide paints in sealed containers that legibly show the Contract specification number, designation name, formula or specification number, batch number, color, quantity, date of manufacture, manufacturer's formulation number, manufacturer's directions including any warnings and special precautions, and name and address of manufacturer. Furnish pigmented paints in containers not larger than 5 gallons. Store paints and thinners in accordance with the manufacturer's written directions, and as a minimum, stored off the ground, under cover, with sufficient ventilation to prevent the buildup of flammable vapors, and at temperatures between 40 to 95 degrees F.

1.9 SAFETY AND HEALTH

A. Comply with applicable Federal, State, and local laws and regulations.

1.10 ENVIRONMENTAL REQUIREMENTS

A. Comply, at minimum, with manufacturer recommendations for space ventilation during and after installation.

1.11 COATINGS

C. Do not apply coating:
   5. If more than the manufacturers' time recommendation(s) elapses between coats; follow manufactures' recommendation(s) should this occur, at a minimum, the coating film shall be sanded to provide sufficient profile for adhesion.
   6. If the material, substrate or ambient temperature is below 50°F or above 100°F, unless specifically pre-approved by the Contracting Officer and the product manufacturer. Do not, under any circumstances, violate the manufacturer's application recommendations.
   7. If surface temperature is within 5°F of the dew point.
D. Surface Preparation:
   1. Any imperfections such as cracks, holes, and gouges shall be filled with approved patching materials suitable for pool use and compatible with all approved pool coatings. Follow all manufacturer directions, recommendations, and instructions. The pool surface to be painted must be free from all oils, grease, wax, dust, dirt, mildew, and any other foreign contaminant before painting.

PART 2 PRODUCTS

2.1 MATERIALS

A. Conform to the coating specifications and standards referenced in PART 3. Submit Product Data Sheets for specified coatings and solvents. Provide preprinted cleaning and maintenance instructions for all coating systems. Submit Manufacturer's Instructions on Mixing: Detailed mixing instructions, minimum and maximum application temperature and humidity, pot life, and curing and drying times between coats.

B. Color Selection Of Finish Coats
   2. Provide physical samples of finish coat colors from all of the approved manufacturers' color lines. Final color selection shall be by the Contracting Officer.

PART 3 EXECUTION

3.1 PROTECTION OF AREAS AND SPACES NOT TO BE PAINTED

A. Prior to surface preparation and coating applications, remove, mask, or otherwise protect hardware, hardware accessories, machined surfaces, radiator covers, plates, lighting fixtures, public and private property, and other such items not to be coated that are in contact with surfaces to be coated. Following completion of painting, reinstall removed items by workmen skilled in the trades. Restore surfaces contaminated by coating materials, to original condition and repair damaged items.

3.3 CONCRETE CRACKS AND JOINTS

A. Surface Condition

2. Begin with surfaces that are clean, dry to the touch, and free from frost and moisture; remove grease, oil, wax, lacquer, paint, defective backstop, or other foreign matter that would prevent or impair adhesion of coatings and sealants. In damaged concrete areas where adequate grooves/joints for repair have not been provided, clean out to a depth of 1/2 inch and grind to a minimum width of 1/4 inch without damage to adjoining work.

B. Backstops
1. In cracks, grooves, or joints are more than 1/2 inch deep, install glass fiber roving or neoprene, butyl, polyurethane, or polyethylene foams free of oil or other staining elements as recommended by coatings and sealant manufacturers. Provide backstop material compatible with approved coatings and sealant. Do not use oakum and other types of absorptive materials as backstops.

C. Primer and Bond Breaker
1. Install primer and bond breaker compatible with the approved coatings and sealants. Follow all manufacturers' recommendations, instructions, and directions for concrete repair and joint treatments.

D. Ambient Application Temperature
1. Follow manufacturers' recommendations, instructions, and directions for concrete repair and joint treatments. At a minimum the ambient temperature must be between 50 degrees F and 95 degrees F when applying coatings or sealants unless approved by the Contracting Officer prior to application.

E. Exterior Sealant
1. For joints in horizontal surfaces, provide ASTM C920, Type S or M, Grade P, Class 25, Use T.
2. Color(s) will be selected by the Contracting Officer.
3. Apply the sealant in accordance with the manufacturer's printed instructions.
4. Force sealant into joints with sufficient pressure to fill the joints solidly.
5. Apply sealant uniformly smooth and free of wrinkles.
6. Provide sealant compatible to, and acceptable by, all other applied product manufacturers.

F. Cleaning
1. Immediately remove fresh sealant from adjacent areas using a solvent recommended by the sealant manufacturer.
2. Upon completion of the sealant application, remove remaining smears and stains and leave the work in a clean condition.
3. Allow sealant time to cure, in accordance with manufacturer's recommendations, prior to coating.

3.4 SURFACE PREPARATION

A. Remove dirt, splinters, loose particles, grease, oil, disintegrated coatings, and other foreign matter and substances deleterious to coating performance as specified for each substrate before application of paint, sealants, or surface treatments. Remove oil and grease prior to mechanical cleaning. Schedule cleaning so that dust and other contaminants will not fall on wet, newly coated surfaces. Spot-prime exposed ferrous metals, to include but not limited to, nail heads or reinforcement on or in contact with surfaces to be painted with a suitable corrosion-inhibitive primer capable of preventing flash rusting and compatible with the coating specified for the adjacent areas. Refer to MPI ASM and MPI MRM for additional, more specific substrate preparation requirements.

B. Additional Requirements for Preparation of Surfaces With Existing Coatings
3. Before application of any coatings, perform the following on surfaces covered by soundly-adhered coatings, defined as those which cannot be removed with a putty

knife:

e. Test existing finishes for lead before sanding, scraping, or removing. If lead is present, notify the Contracting Officer immediately and refer to paragraph 1.3 Toxic Materials.
f. Wipe the surfaces dry with a clean, dry, lint free cloth. Wipe immediately preceding the application of the first coat of any coating, unless specified otherwise.
g. Sand existing glossy surfaces to be painted to reduce gloss. Brush, and wipe clean with a damp cloth to remove dust.
h. The requirements specified are minimum. Comply also with the manufacturer's application recommendations, instructions, and directions and specific surface preparation requirements as outlined in MPI MRM Exterior Surface Preparation.
i. Thoroughly clean previously painted surfaces specified to be repainted and/or damaged during construction of all grease, dirt, dust or other foreign matter.

4. Before application of any coatings, follow manufacturer's recommendations, instructions, and directions for approved products. At a minimum, perform the following on surfaces covered by deteriorated coatings, defined as those which can be removed with a putty knife:
   g. Test existing finishes for lead before sanding, scraping, or removing. If lead is present, refer to paragraph 1.3 Toxic Materials.
   h. Remove blistering, cracking, flaking and peeling or otherwise deteriorating coatings.
   i. Remove chalk so that when tested in accordance with ASTM D4214, the chalk resistance rating is no less than 8.
   j. Roughen slick surfaces. Repair damaged areas such as, but not limited to, holes, cracks, chips, and spalls with material to match adjacent undamaged areas and compatible with all approved sealants and coatings.
   k. Feather and sand smooth edges of chipped paint.
   l. Clean rusty metal surfaces in accordance with SSPC requirements. Use solvent, mechanical, or chemical cleaning methods to provide surfaces suitable for painting.
   m. Provide new, proposed coatings that are compatible with existing coatings.

3.5 PREPARATION OF CONCRETE AND CEMENTITIOUS SURFACE

A. Concrete and Masonry

3. Surface Cleaning:
   b. Remove the following deleterious substances:
      (3) Dirt, Chalking, Grease, and Oil. Wash existing surfaces with a solution composed of 0.2 liter 1/2 cup trisodium phosphate, 0.1 liter 1/4 cup household detergent, and 6.4 liters 4 quarts of warm water. Then rinse thoroughly with fresh water. For large areas, water blasting may be used. All water used for cleaning and rinsing must be captured. All cleaning agents must be approved by the BOS Environmental Flight.
      (4) Fungus and Mold: Wash existing coated, and existing uncoated surfaces with a solution composed of 0.2 liter 1/2 cup trisodium phosphate, 0.1 liter 1/4 cup household detergent, 1.6 liters one quart 5 percent sodium hypochlorite solution and 4.8 liters 3 quarts of warm water. Rinse thoroughly with fresh water. All water used for cleaning and rinsing must be captured. All cleaning agents must be approved by the BOS Environmental Flight.
4. Cosmetic Repair of Minor Defects:
   b. Repair or fill mortar joints and minor defects, including but not

limited to spalls, in accordance with manufacturer's recommendations and prior to coating application.

3.6 APPLICATION

B. Coating Application

h. At the time of application, paint must show no signs of deterioration. Maintain uniform suspension of pigments during application.

i. Unless otherwise specified or recommended by the paint manufacturer, paint may be applied by brush, roller, or spray. Use trigger operated spray nozzles for water hoses. Use rollers for applying paints and enamels of a type designed for the coating to be applied and the surface to be coated. Wear protective clothing and respirators when applying oil-based paints or using spray equipment with any paints.

j. Only apply paints, except water-thinned types, to surfaces that are completely free of moisture as determined by sight or touch.

k. Thoroughly work coating materials into joints, crevices, and open spaces. Pay special attention to ensure that all edges, corners, crevices, welds, and rivets receive a film thickness equal to that of adjacent painted surfaces.

l. Apply each coat of paint so that dry film is of uniform thickness and free from runs, drops, ridges, waves, pinholes or other voids, laps, brush marks, and variations in color, texture, and finish. Completely hide all blemishes.

m. Touch up damaged coatings before applying subsequent coats.

n. Finished Surfaces: Provide finished surfaces free from runs, drops, ridges, waves, laps, brush marks, and variations in colors.

C. Coating Systems

1. Provide high-performance, semi-gloss solvent-based coating designed for masonry, concrete, marcite, and gunite in-ground pools.

d. Minimum Dry Film Thickness (DFT): Apply paints, primers, varnishes, enamels, undercoats, and other coatings to a minimum dry film thickness of 1.7 mil to 2.1 mil each coat unless specified otherwise. Coating thickness, where specified, refers to the minimum dry film thickness.

e. Coating shall be self-priming.

f. All coated surfaces to receive the following:

3) Two coats of undercoat or intermediate coat.

4) One topcoat.

g. Coatings for Surfaces Not Specified Otherwise: Coat unspecified surfaces the same as surfaces having similar conditions of exposure.

h. Coat Existing Surfaces Damaged During Performance of the Work, and New Patches In Existing Surfaces:

3) Two coats of undercoat or intermediate coat.

4) One topcoat. All damaged or new patched areas shall match adjacent surfaces in finish, coverage, and consistency.

-- End of Section --