

SECTION 09 90 00

PAINTS AND COATINGS

04/06

PART 1 GENERAL

1.1 REFERENCES

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.

AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH)

ACGIH 0100Doc (2005) Documentation of the Threshold Limit Values and Biological Exposure Indices

ASTM INTERNATIONAL (ASTM)

ASTM C 669 (2000) Glazing Compounds for Back Bedding and Face Glazing of Metal Sash

ASTM C 920 (2005) Elastomeric Joint Sealants

ASTM D 2092 (2001) Preparation of Zinc-Coated (Galvanized) Steel Surfaces for Painting

ASTM D 235 (2002) Mineral Spirits (Petroleum Spirits) (Hydrocarbon Dry Cleaning Solvent)

ASTM D 2824 (2004) Aluminum-Pigmented Asphalt Roof Coatings, Non-Fibered, Asbestos Fibered, and Fibered without Asbestos

ASTM D 4214 (1998) Evaluating the Degree of Chalking of Exterior Paint Films

ASTM D 4263 (1983; R 1999) Indicating Moisture in Concrete by the Plastic Sheet Method

ASTM D 4444 (1992; R 2003) Use and Calibration of Hand-Held Moisture Meters

ASTM D 523 (1989; R 1999) Specular Gloss

ASTM F 1869 (2004) Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride

MASTER PAINTERS INSTITUTE (MPI)

MPI 1 (Jan 2004) Aluminum Paint

MPI 10 (Jan 2004) Exterior Latex, Flat, MPI Gloss Level 1

MPI 101	(Jan 2004) Epoxy Anti-Corrosive Metal Primer
MPI 107	(Jan 2004) Rust Inhibitive Primer (Water-Based)
MPI 108	(Jan 2004) High Build Epoxy Coating, Low Gloss
MPI 11	(Jan 2004) Exterior Latex, Semi-Gloss, MPI Gloss Level 5
MPI 110	(Jan 2004) Water Based Light Industrial Coating, G6, G5, G3
MPI 113	(Jan 2004) Exterior Pigmented Elastomeric Coating (Water Based)
MPI 116	(Jan 2004) Epoxy Block Filler
MPI 119	(Jan 2004) Exterior Latex, Gloss
MPI 13	(Jan 2004) Exterior Solvent-Based Semi-Transparent Stain
MPI 134	(Jan 2004) Galvanized Primer (Waterbased)
MPI 138	(Jan 2004) Interior High Performance Latex, MPI Gloss Level 2
MPI 139	(Jan 2004) Interior High Performance Latex, MPI Gloss Level 3
MPI 140	(Jan 2004) Interior High Performance Latex, MPI Gloss Level 4
MPI 141	(Jan 2004) Interior High Performance Latex MPI Gloss Level 5
MPI 144	(Jan 2004) Institutional Low Odor / VOC Interior Latex, MPI Gloss Level 2
MPI 145	(Jan 2004) Institutional Low Odor / VOC Interior Latex, MPI Gloss Level 3
MPI 146	(Jan 2004) Institutional Low Odor/VOC Interior Latex, MPI Gloss Level 4
MPI 147	(Jan 2004) Institutional Low Odor / VOC Interior Latex, Semi-Gloss, MPI Gloss Level 5
MPI 16	(Jan 2004) Exterior Latex-Based Solid Hide Stain
MPI 19	(Jan 2004) Inorganic Zinc Rich Primer
MPI 2	(Jan 2004) Aluminum Heat Resistant Enamel (up to 427 C and 800 F)

MPI 21	(Jan 2004) Heat Resistant Enamel, Gloss (up to 205 degrees C and 400 degrees F), MPI Gloss Level 6
MPI 22	(Jan 2004) Aluminum Paint, High Heat (up to 590 degrees C and 1100 degrees F).
MPI 23	(Jan 2004) Surface Tolerant Metal Primer
MPI 26	(Jan 2004) Cementitious Galvanized Metal Primer
MPI 27	(Jan 2004) Exterior / Interior Alkyd Floor Enamel, Gloss
MPI 31	(Jan 2004) Polyurethane, Moisture Cured, Clear Gloss
MPI 39	(Jan 2004) Interior Latex-Based Wood Primer
MPI 4	(Jan 2004) Interior/Exterior Latex Block Filler
MPI 42	(Jan 2004) Latex Stucco and Masonry Textured Coating
MPI 44	(Jan 2004) Interior Latex, MPI Gloss Level 2
MPI 45	(Jan 2004) Interior Alkyd Primer Sealer
MPI 46	(Jan 2004) Interior Enamel Undercoat
MPI 47	(Jan 2004) Interior Alkyd, Semi-Gloss, MPI Gloss Level 5
MPI 48	(Jan 2004) Interior Alkyd, Gloss, MPI Gloss Level 6
MPI 49	(Jan 2004) Interior Alkyd, Flat, MPI Gloss Level 1
MPI 5	(Jan 2004) Exterior Alkyd Wood Primer
MPI 50	(Jan 2004) Interior Latex Primer Sealer
MPI 51	(Jan 2004) Interior Alkyd, Eggshell, MPI Gloss Level 2
MPI 52	(Jan 2004) Interior Latex, MPI Gloss Level 3
MPI 54	(Jan 2004) Interior Latex, Semi-Gloss, MPI Gloss Level 5
MPI 56	(Jan 2004) Interior Oil Modified Urethane Clear Gloss

MPI 57	(Jan 2004) Interior Oil Modified Urethane Clear Satin
MPI 59	(Jan 2004) Interior/Exterior Floor Enamel, Low Gloss
MPI 6	(Jan 2004) Exterior Latex Wood Primer
MPI 60	(Jan 2004) Interior/Exterior Latex Floor Paint, Low Gloss
MPI 68	(Jan 2004) Interior/Exterior Latex Floor Enamel, Gloss
MPI 7	(Jan 2004) Exterior Oil Wood Primer
MPI 71	(Jan 2004) Polyurethane, Moisture Cured, Clear, Flat
MPI 72	(Jan 2004) Polyurethane, Two Component, Pigmented, Gloss
MPI 77	(Jan 2004) Epoxy Gloss
MPI 79	(Jan 2004) Alkyd Anti-Corrosive Metal Primer
MPI 8	(Jan 2004) Exterior Alkyd, Flat, MPI Gloss Level I
MPI 9	(Jan 2004) Exterior Alkyd, Gloss, MPI Gloss Level 6
MPI 90	(Jan 2004) Interior Wood Stain, Semi-Transparent
MPI 94	(Jan 2004) Exterior Alkyd, Semi-Gloss, MPI Gloss Level 5
MPI 95	(Jan 2004) Quick Drying Primer for Aluminum

SCIENTIFIC CERTIFICATION SYSTEMS (SCS)

SCS SP01-01	(2000) Environmentally Preferable Product Specification for Architectural and Anti-Corrosive Paints
-------------	---

THE SOCIETY FOR PROTECTIVE COATINGS (SSPC)

SSPC Guide 3	(1982; R 1995) A Guide to Safety in Paint Application
SSPC Guide 6	(1997) Guide for Containing Debris Generated During Paint Removal Operations
SSPC Guide 7	(2004) Guide for the Disposal of Lead-Contaminated Surface Preparation Debris

SSPC PA 1	(2005) Shop, Field, and Maintenance Painting
SSPC SP 1	(1982; R 2004) Solvent Cleaning
SSPC SP 10	(2000; R 2004) Near-White Blast Cleaning
SSPC SP 12	(2002) Surface Preparation and Cleaning of Metals by Waterjetting Prior to Recoating
SSPC SP 2	(1982; R 2004) Hand Tool Cleaning
SSPC SP 3	(1982; R 2004) Power Tool Cleaning
SSPC SP 6	(2000; R 2004) Commercial Blast Cleaning
SSPC SP 7	(2000; R 2004) Brush-Off Blast Cleaning
SSPC VIS 1	(2002) Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning
SSPC VIS 3	(1993; R 2000) Visual Standard for Power-and Hand-Tool Cleaned Steel
SSPC VIS 4	(2001) Guide and Reference Photographs for Steel Surfaces Prepared by Waterjetting

U.S. DEPARTMENT OF DEFENSE (DOD)

MIL-STD-101	(Rev B) Color Code for Pipelines & for Compressed Gas Cylinders
-------------	---

U.S. GENERAL SERVICES ADMINISTRATION (GSA)

CID A-A-2904	(Basic) Thinner, Paint, Mineral Spirit, Regular and Odorless
FED-STD-313	(Rev D; Am 1) Material Safety Data, Transportation Data and Disposal Data for Hazardous Materials Furnished to Government Activities

U.S. NATIONAL ARCHIVES AND RECORDS ADMINISTRATION (NARA)

29 CFR 1910.1000	Air Contaminants
29 CFR 1910.1001	Asbestos
29 CFR 1910.1025	Lead
29 CFR 1926.62	Lead

1.2 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for Contractor Quality Control approval. The following shall be submitted in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

The current MPI, "Approved Product List" which lists paint by brand, label, product name and product code as of the date of contract award, will be used to determine compliance with the submittal requirements of this specification. The Contractor may choose to use a subsequent MPI "Approved Product List", however, only one list may be used for the entire contract and each coating system is to be from a single manufacturer. All coats on a particular substrate must be from a single manufacturer. No variation from the MPI Approved Products List is acceptable.

Samples of specified materials may be taken and tested for compliance with specification requirements.

In keeping with the intent of Executive Order 13101, "Greening the Government through Waste Prevention, Recycling, and Federal Acquisition", products certified by SCS as meeting SCS SP01-01 shall be given preferential consideration over registered products. Products that are registered shall be given preferential consideration over products not carrying any EPP designation.

SD-02 Shop Drawings

Piping identification

Submit color stencil codes

SD-03 Product Data

Coating; G

Manufacturer's Technical Data Sheets

Sealant

SD-04 Samples

Color

Submit manufacturer's samples of paint colors. Cross reference color samples to color scheme as indicated.

SD-07 Certificates

Applicator's qualifications

Qualification Testing laboratory for coatings

SD-08 Manufacturer's Instructions

Application instructions

Mixing

Detailed mixing instructions, minimum and maximum application temperature and humidity, potlife, and curing and drying times between coats.

Manufacturer's Material Safety Data Sheets

Submit manufacturer's Material Safety Data Sheets for coatings, solvents, and other potentially hazardous materials, as defined in FED-STD-313.

SD-10 Operation and Maintenance Data

Coatings;; G

Preprinted cleaning and maintenance instructions for all coating systems shall be provided.

1.3 APPLICATOR'S QUALIFICATIONS

1.3.1 Contractor Qualification

Submit the name, address, telephone number, FAX number, and e-mail address of the contractor that will be performing all surface preparation and coating application. 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 and include the following:

- a. Name of individual and proposed position for this work.
- b. Information about each previous assignment including:

Position or responsibility

Employer (if other than the Contractor)

Name of facility owner

Mailing address, telephone number, and telex number (if non-US) of facility owner

Name of individual in facility owner's organization who can be contacted as a reference

Location, size and description of structure

Dates work was carried out

Description of work carried out on structure

1.4 QUALITY ASSURANCE

1.4.1 Field Samples and Tests

The Contracting Officer may choose up to two coatings that have been delivered to the site to be tested at no cost to the Government. Take samples of each chosen product as specified in the paragraph "Sampling Procedures." Test each chosen product as specified in the paragraph "Testing Procedure." Products which do not conform, shall be removed from the job site and replaced with new products that conform to the referenced specification. Testing of replacement products that failed initial testing shall be at no cost to the Government.

1.4.1.1 Sampling Procedure

The Contracting Officer will select paint at random from the products that have been delivered to the job site for sample testing. The Contractor shall provide one quart samples of the selected paint materials. The samples shall be taken in the presence of the Contracting Officer, and labeled, identifying each sample. Provide labels in accordance with the paragraph "Packaging, Labeling, and Storage" of this specification.

1.4.1.2 Testing Procedure

Provide Batch Quality Conformance Testing for specified products, as defined by and performed by MPI. As an alternative to Batch Quality Conformance Testing, the Contractor may provide Qualification Testing for specified products above to the appropriate MPI product specification, using the third-party laboratory approved under the paragraph "Qualification Testing" laboratory for coatings. The qualification testing lab report shall include the backup data and summary of the test results. The summary shall list all of the reference specification requirements and the result of each test. The summary shall clearly indicate whether the tested paint meets each test requirement. Note that Qualification Testing may take 4 to 6 weeks to perform, due to the extent of testing required.

Submit name, address, telephone number, FAX number, and e-mail address of the independent third party laboratory selected to perform testing of coating samples for compliance with specification requirements. Submit documentation that laboratory is regularly engaged in testing of paint samples for conformance with specifications, and that employees performing testing are qualified. If the Contractor chooses MPI to perform the Batch Quality Conformance testing, the above submittal information is not required, only a letter is required from the Contractor stating that MPI will perform the testing.

1.5 REGULATORY REQUIREMENTS

1.5.1 Environmental Protection

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. Notify Contracting Officer of any paint specified herein which fails to conform.

1.5.2 Lead Content

Do not use coatings having a lead content over 0.06 percent by weight of nonvolatile content.

1.5.3 Chromate Content

Do not use coatings containing zinc-chromate or strontium-chromate.

1.5.4 Asbestos Content

Materials shall not contain asbestos.

1.5.5 Mercury Content

Materials shall not contain mercury or mercury compounds.

1.5.6 Silica

Abrasive blast media shall not contain free crystalline silica.

1.5.7 Human Carcinogens

Materials shall not contain [ACGIH 0100Doc](#) and [ACGIH 0100Doc](#) confirmed human carcinogens (A1) or suspected human carcinogens (A2).

1.6 PACKAGING, LABELING, AND STORAGE

Paints shall be 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. Pigmented paints shall be furnished in containers not larger than 5 gallons. Paints and thinners shall be stored 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.

1.7 SAFETY AND HEALTH

Apply coating materials using safety methods and equipment in accordance with the following:

1.7.1 Safety Methods Used During Coating Application

Comply with the requirements of [SSPC Guide 3](#).

1.7.2 Toxic Materials

To protect personnel from overexposure to toxic materials, conform to the most stringent guidance of:

- a. The applicable [manufacturer's Material Safety Data Sheets](#) (MSDS) or local regulation.
- b. [29 CFR 1910.1000](#).
- c. [ACGIH 0100Doc](#), threshold limit values.
- d. The appropriate OSHA standard in [29 CFR 1910.1025](#) and [29 CFR 1926.62](#) for surface preparation on painted surfaces containing lead. Removal and disposal of coatings which contain lead is specified in Section [02 82 33.13 20 REMOVAL/CONTROL AND DISPOSAL OF LEAD PAINT](#)." Additional guidance is given in [SSPC Guide 6](#) and [SSPC Guide 7](#). Refer to drawings for list of hazardous materials located on this project. Contractor to coordinate paint preparation activities with this specification section.
- e. The appropriate OSHA standards in [29 CFR 1910.1001](#) for surface preparation of painted surfaces containing asbestos. Removal and

disposal of coatings which contain asbestos materials is specified in Section 02 82 16.00 20 ENGINEERING CONTROL OF ASBESTOS CONTAINING MATERIALS. Refer to drawings for list of hazardous materials located on this project. Contractor to coordinate paint preparation activities with this specification section.

1.8 ENVIRONMENTAL CONDITIONS

1.8.1 Coatings

Do not apply coating when air or substrate conditions are:

- a. Less than 5 degrees F above dew point;
- b. Below 50 degrees F or over 95 degrees F, unless specifically pre-approved by the Contracting Officer and the product manufacturer. Under no circumstances shall application conditions exceed manufacturer recommendations.

1.9 COLOR SELECTION

Colors of finish coats shall be as indicated or specified. Where not indicated or specified, colors shall be selected by the Contracting Officer. Manufacturers' names and color identification are used for the purpose of color identification only. Named products are acceptable for use only if they conform to specified requirements. Products of other manufacturers are acceptable if the colors approximate colors indicated and the product conforms to specified requirements.

1.10 LOCATION AND SURFACE TYPE TO BE PAINTED

1.10.1 Painting Included

Where a space or surface is indicated to be painted, include the following unless indicated otherwise.

- a. Surfaces behind portable objects and surface mounted articles readily detachable by removal of fasteners, such as screws and bolts.
- b. New factory finished surfaces that require identification or color coding and factory finished surfaces that are damaged during performance of the work.
- c. Existing coated surfaces that are damaged during performance of the work.

1.10.1.1 Exterior Painting

Includes new surfaces, existing coated surfaces, and existing uncoated surfaces, of the buildings and appurtenances. Also included are existing coated surfaces made bare by cleaning operations.

1.10.1.2 Interior Painting

Includes new surfaces, existing uncoated surfaces, and existing coated surfaces of the buildings and appurtenances as indicated and 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.

- a. Exposed columns, girders, beams, joists, and metal deck; and
- b. Other contiguous surfaces.

1.10.2 Painting Excluded

Do not paint the following unless indicated otherwise.

- a. Surfaces concealed and made inaccessible by panelboards, fixed ductwork, machinery, and equipment fixed in place.
- b. Surfaces in concealed spaces. Concealed spaces are defined as enclosed spaces above suspended ceilings, furred spaces, attic spaces, crawl spaces, elevator shafts and chases.
- c. Steel to be embedded in concrete.
- d. Copper, stainless steel, aluminum, brass, and lead except existing coated surfaces.
- e. Hardware, fittings, and other factory finished items.

1.10.3 Mechanical and Electrical Painting

Includes field coating of interior and exterior new and existing surfaces.

- a. Where a space or surface is indicated to be painted, include the following items unless indicated otherwise.
 - (1) Exposed piping, conduit, and ductwork;
 - (2) Supports, hangers, air grilles, and registers;
 - (3) Miscellaneous metalwork and insulation coverings.
- b. Do not paint the following, unless indicated otherwise:
 - (1) New zinc-coated, aluminum, and copper surfaces under insulation
 - (2) New aluminum jacket on piping
 - (3) New interior ferrous piping under insulation.

1.10.3.1 Fire Extinguishing Sprinkler Systems

Clean, pretreat, prime, and paint new fire extinguishing sprinkler systems including valves, piping, conduit, hangers, supports, miscellaneous metalwork, and accessories. Apply coatings to clean, dry surfaces, using clean brushes. Clean the surfaces to remove dust, dirt, rust, and loose mill scale. Immediately after cleaning, provide the metal surfaces with one coat primer per schedules. Shield sprinkler heads with protective covering while painting is in progress. Upon completion of painting, remove protective covering from sprinkler heads. Remove sprinkler heads which have been painted and replace with new sprinkler heads. Provide

primed surfaces with the following:

- a. Piping in Unfinished Areas: Provide primed surfaces with one coat of red alkyd gloss enamel applied to a minimum dry film thickness of 1.0 mil in attic spaces, spaces above suspended ceilings, crawl spaces, pipe chases, mechanical equipment room, and spaces where walls or ceiling are not painted or not constructed of a prefinished material. In lieu of red enamel finish coat, provide piping with 2 inch wide red enamel bands spaced at maximum of 20 foot intervals.
- b. Piping in Finished Areas: Provide primed surfaces with two coats of paint to match adjacent surfaces, except provide valves and operating accessories with one coat of red alkyd gloss enamel applied to a minimum dry film thickness of 1.0 mil. Provide piping with 2 inch wide red enamel bands or self-adhering red plastic bands spaced at maximum of 20 foot intervals throughout the piping systems.

1.10.4 Definitions and Abbreviations

1.10.4.1 Qualification Testing

Qualification testing is the performance of all test requirements listed in the product specification. This testing is accomplished by MPI to qualify each product for the MPI Approved Product List, and may also be accomplished by Contractor's third party testing lab if an alternative to Batch Quality Conformance Testing by MPI is desired.

1.10.4.2 Batch Quality Conformance Testing

Batch quality conformance testing determines that the product provided is the same as the product qualified to the appropriate product specification. This testing shall only be accomplished by MPI testing lab.

1.10.4.3 Coating

A film or thin layer applied to a base material called a substrate. A coating may be a metal, alloy, paint, or solid/liquid suspensions on various substrates (metals, plastics, wood, paper, leather, cloth, etc.). They may be applied by electrolysis, vapor deposition, vacuum, or mechanical means such as brushing, spraying, calendaring, and roller coating. A coating may be applied for aesthetic or protective purposes or both. The term "coating" as used herein includes emulsions, enamels, stains, varnishes, sealers, epoxies, and other coatings, whether used as primer, intermediate, or finish coat. The terms paint and coating are used interchangeably.

1.10.4.4 DFT or dft

Dry film thickness, the film thickness of the fully cured, dry paint or coating.

1.10.4.5 DSD

Degree of Surface Degradation, the MPI system of defining degree of surface degradation. Five (5) levels are generically defined under the Assessment sections in the MPI Maintenance Repainting Manual.

1.10.4.6 EPP

Environmentally Preferred Products, a standard for determining environmental preferability in support of Executive Order 13101.

1.10.4.7 EXT

MPI short term designation for an exterior coating system.

1.10.4.8 INT

MPI short term designation for an interior coating system.

1.10.4.9 micron / microns

The metric measurement for 0.001 mm or one/one-thousandth of a millimeter.

1.10.4.10 mil / mils

The English measurement for 0.001 in or one/one-thousandth of an inch, equal to 25.4 microns or 0.0254 mm.

1.10.4.11 mm

The metric measurement for millimeter, 0.001 meter or one/one-thousandth of a meter.

1.10.4.12 MPI Gloss Levels

MPI system of defining gloss. Seven (7) gloss levels (G1 to G7) are generically defined under the Evaluation sections of the MPI Manuals. Traditionally, Flat refers to G1/G2, Eggshell refers to G3, Semigloss refers to G5, and Gloss refers to G6.

Gloss levels are defined by MPI as follows:

Gloss Level	Description	Units @ 60 degrees	Units @ 85 degrees
G1	Matte or Flat	0 to 5	10 max
G2	Velvet	0 to 10	10 to 35
G3	Eggshell	10 to 25	10 to 35
G4	Satin	20 to 35	35 min
G5	Semi-Gloss	35 to 70	
G6	Gloss	70 to 85	
G7	High Gloss		

Gloss is tested in accordance with [ASTM D 523](#). Historically, the Government has used Flat (G1 / G2), Eggshell (G3), Semi-Gloss (G5), and Gloss (G6).

1.10.4.13 MPI System Number

The MPI coating system number in each Division found in either the MPI Architectural Painting Specification Manual or the Maintenance Repainting Manual and defined as an exterior (EXT/REX) or interior system (INT/RIN). The Division number follows the CSI Master Format.

1.10.4.14 Paint

See Coating definition.

1.10.4.15 REX

MPI short term designation for an exterior coating system used in repainting projects or over existing coating systems.

1.10.4.16 RIN

MPI short term designation for an interior coating system used in repainting projects or over existing coating systems.

PART 2 PRODUCTS

2.1 MATERIALS

Conform to the [coating](#) specifications and standards referenced in PART 3. Submit [manufacturer's technical data sheets](#) for specified [coatings](#) and solvents.

PART 3 EXECUTION

3.1 PROTECTION OF AREAS AND SPACES NOT TO BE PAINTED

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, workmen skilled in the trades involved shall reinstall removed items. Restore surfaces contaminated by coating materials, to original condition and repair damaged items.

3.2 REPUTTYING AND REGLAZING

Remove cracked, loose, and defective putty or glazing compound on glazed sash and provide new putty or glazing compound. Where defective putty or glazing compound constitutes 30 percent or more of the putty at any one light, remove the glass and putty or glazing compound and reset the glass. Remove putty or glazing compound without damaging sash or glass. Clean rabbets to bare wood or metal and prime prior to reglazing. Putty for wood sash shall be a linseed oil putty. Glazing compound for metal sash shall conform to [ASTM C 669](#). Patch surfaces to provide smooth transition between existing and new surfaces. Finish putty or glazing compound to a neat and true bead. Allow glazing compound time to cure, in accordance with manufacturer's recommendation, prior to coating application. Allow putty to set one week prior to coating application.

3.3 RESEALING OF EXISTING EXTERIOR JOINTS

3.3.1 Surface Condition

Surfaces shall be 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. Where adequate grooves 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. Grinding

shall not be required on metal surfaces.

3.3.2 Backstops

In joints 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 sealant manufacturer. Backstop material shall be compatible with sealant. Do not use oakum and other types of absorptive materials as backstops.

3.3.3 Primer and Bond Breaker

Install the type recommended by the sealant manufacturer.

3.3.4 Ambient Temperature

Between 38 degrees F and 95 degrees F when applying sealant.

3.3.5 Exterior Sealant

For joints in vertical surfaces, provide ASTM C 920, Type S or M, Grade NS, Class 25, Use NT. For joints in horizontal surfaces, provide ASTM C 920, Type S or M, Grade P, Class 25, Use T. Color(s) shall be selected by the Contracting Officer. Apply the sealant in accordance with the manufacturer's printed instructions. Force sealant into joints with sufficient pressure to fill the joints solidly. Sealant shall be uniformly smooth and free of wrinkles.

3.3.6 Cleaning

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

3.4 SURFACE PREPARATION

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 or surface treatments. Oil and grease shall be removed prior to mechanical cleaning. Cleaning shall be programmed so that dust and other contaminants will not fall on wet, newly painted surfaces. Exposed ferrous metals such as nail heads on or in contact with surfaces to be painted with water-thinned paints, shall be spot-primed with a suitable corrosion-inhibitive primer capable of preventing flash rusting and compatible with the coating specified for the adjacent areas.

3.4.1 Additional Requirements for Preparation of Surfaces With Existing Coatings

Before application of coatings, perform the following on surfaces covered by soundly-adhered coatings, defined as those which cannot be removed with a putty knife:

- a. Wipe previously painted surfaces to receive solvent-based coatings, except stucco and similarly rough surfaces clean with a clean, dry cloth saturated with mineral spirits, ASTM D 235.

Allow surface to dry. Wiping shall immediately precede the application of the first coat of any coating, unless specified otherwise.

- b. Sand existing glossy surfaces to be painted to reduce gloss. Brush, and wipe clean with a damp cloth to remove dust.
- c. The requirements specified are minimum. Comply also with the [application instructions](#) of the paint manufacturer.
- d. Previously painted surfaces specified to be repainted shall be thoroughly cleaned of all grease, dirt, dust or other foreign matter.
- e. Blistering, cracking, flaking and peeling or other deteriorated coatings shall be removed.
- f. Chalk shall be removed so that when tested in accordance with ASTM D 4214, the chalk resistance rating is no less than 8.
- g. Slick surfaces shall be roughened. Damaged areas such as, but not limited to, nail holes, cracks, chips, and spalls shall be repaired with suitable material to match adjacent undamaged areas.
- h. Edges of chipped paint shall be feather edged and sanded smooth.
- i. Rusty metal surfaces shall be cleaned as per SSPC requirements. Solvent, mechanical, or chemical cleaning methods shall be used to provide surfaces suitable for painting.
- j. New, proposed coatings shall be compatible with existing coatings.

3.4.2 Existing Coated Surfaces with Minor Defects

Sand, spackle, and treat minor defects to render them smooth. Minor defects are defined as scratches, nicks, cracks, gouges, spalls, alligatoring, chalking, and irregularities due to partial peeling of previous coatings. Remove chalking by sanding so that when tested in accordance with [ASTM D 4214](#), the chalk rating is not less than 8.

3.4.3 Removal of Existing Coatings

Remove existing coatings from the following surfaces:

- a. Surfaces containing large areas of minor defects;
- b. Surfaces containing more than 20 percent peeling area; and
- c. Surfaces designated by the Contracting Officer, such as surfaces where rust shows through existing coatings.

3.4.4 Substrate Repair

- a. Repair substrate surface damaged during coating removal;
- b. Sand edges of adjacent soundly-adhered existing coatings so they are tapered as smooth as practical to areas involved with coating removal; and

- c. Clean and prime the substrate as specified.

3.5 PREPARATION OF METAL SURFACES

3.5.1 Existing and New Ferrous Surfaces

- a. Ferrous Surfaces including Shop-coated Surfaces and Small Areas That Contain Rust, Mill Scale and Other Foreign Substances: Solvent clean or detergent wash in accordance with [SSPC SP 1](#) to remove oil and grease. Where shop coat is missing or damaged, clean according to [SSPC SP 2](#) or [SSPC SP 3](#). Shop-coated ferrous surfaces shall be protected from corrosion by treating and touching up corroded areas immediately upon detection.
- b. Surfaces With More Than 20 Percent Rust, Mill Scale, and Other Foreign Substances: Clean entire surface in accordance with [SSPC SP 6/SSPC SP 12](#) WJ-3.

3.5.2 Final Ferrous Surface Condition:

For tool cleaned surfaces, the requirements are stated in [SSPC SP 2](#) and [SSPC SP 3](#). As a visual reference, cleaned surfaces shall be similar to photographs in [SSPC VIS 3](#).

For abrasive blast cleaned surfaces, the requirements are stated in [SSPC SP 7](#), [SSPC SP 6](#), and [SSPC SP 10](#). As a visual reference, cleaned surfaces shall be similar to photographs in [SSPC VIS 1](#).

For waterjet cleaned surfaces, the requirements are stated in [SSPC SP 12](#). As a visual reference, cleaned surfaces shall be similar to photographs in [SSPC VIS 4](#).

3.5.3 Galvanized Surfaces

- a. New or Existing Galvanized Surfaces With Only Dirt and Zinc Oxidation Products: Clean with solvent, steam, or non-alkaline detergent solution in accordance with [SSPC SP 1](#). If the galvanized metal has been passivated or stabilized, the coating shall be completely removed by brush-off abrasive blast. New galvanized steel to be coated shall not be "passivated" or "stabilized" If the absence of hexavalent stain inhibitors is not documented, test as described in [ASTM D 2092](#), Appendix X2, and remove by one of the methods described therein.
- b. Galvanized with Slight Coating Deterioration or with Little or No Rusting: Water jetting to [SSPC SP 12](#) WJ3 to remove loose coating from surfaces with less than 20 percent coating deterioration and no blistering, peeling, or cracking. Use inhibitor as recommended by the coating manufacturer to prevent rusting.
- c. Galvanized With Severe Deteriorated Coating or Severe Rusting: Water jet to [SSPC SP 12](#) WJ3 degree of cleanliness.

3.5.4 Non-Ferrous Metallic Surfaces

Aluminum and aluminum-alloy, lead, copper, and other nonferrous metal surfaces.

- a. Surface Cleaning: Solvent clean in accordance with [SSPC SP 1](#) and

wash with mild non-alkaline detergent to remove dirt and water soluble contaminants.

3.5.5 Terne-Coated Metal Surfaces

Solvent clean surfaces with mineral spirits, [ASTM D 235](#). Wipe dry with clean, dry cloths.

3.5.6 Existing Surfaces with a Bituminous or Mastic-Type Coating

Remove chalk, mildew, and other loose material by washing with a solution of [1/2 cup](#) trisodium phosphate, [1/4 cup](#) household detergent, [one quart](#) 5 percent sodium hypochlorite solution and [3 quarts](#) of warm water.

3.6 PREPARATION OF CONCRETE AND CEMENTITIOUS SURFACE

3.6.1 Concrete and Masonry

- a. Curing: Concrete, stucco and masonry surfaces shall be allowed to cure at least 30 days before painting, except concrete slab on grade, which shall be allowed to cure 90 days before painting.
- b. Surface Cleaning: Remove the following deleterious substances.
 - (1) Dirt, Chalking, Grease, and Oil: Wash new and existing uncoated surfaces with a solution composed of [1/2 cup](#) trisodium phosphate, [1/4 cup](#) household detergent, and [4 quarts](#) of warm water. Then rinse thoroughly with fresh water. Wash existing coated surfaces with a suitable detergent and rinse thoroughly. For large areas, water blasting may be used.
 - (2) Fungus and Mold: Wash new, existing coated, and existing uncoated surfaces with a solution composed of [1/2 cup](#) trisodium phosphate, [1/4 cup](#) household detergent, [1 quart](#) 5 percent sodium hypochlorite solution and [3 quarts](#) of warm water. Rinse thoroughly with fresh water.
 - (3) Paint and Loose Particles: Remove by wire brushing.
 - (4) Efflorescence: Remove by scraping or wire brushing followed by washing with a 5 to 10 percent by weight aqueous solution of hydrochloric (muriatic) acid. Do not allow acid to remain on the surface for more than five minutes before rinsing with fresh water. Do not acid clean more than [4 square feet](#) of surface, per workman, at one time.
- c. Cosmetic Repair of Minor Defects: 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.
- d. Allowable Moisture Content: Latex coatings may be applied to damp surfaces, but not to surfaces with droplets of water. Do not apply epoxies to damp vertical surfaces as determined by [ASTM D 4263](#) or horizontal surfaces that exceed 3 lbs of moisture per 1000 square feet in 24 hours as determined by [ASTM F 1869](#). In all cases follow manufacturers recommendations. Allow surfaces to cure a minimum of 30 days before painting.

3.6.2 Gypsum Board, Plaster, and Stucco

- a. **Surface Cleaning:** Plaster and stucco shall be clean and free from loose matter; gypsum board shall be dry. Remove loose dirt and dust by brushing with a soft brush, rubbing with a dry cloth, or vacuum-cleaning prior to application of the first coat material. A damp cloth or sponge may be used if paint will be water-based.
- b. **Repair of Minor Defects:** Prior to painting, repair joints, cracks, holes, surface irregularities, and other minor defects with patching plaster or spackling compound and sand smooth.
- c. **Allowable Moisture Content:** Latex coatings may be applied to damp surfaces, but not surfaces with droplets of water. Do not apply epoxies to damp surfaces as determined by [ASTM D 4263](#). New plaster to be coated shall have a maximum moisture content of 8 percent, when measured in accordance with [ASTM D 4444](#), Method A, unless otherwise authorized. In addition to moisture content requirements, allow new plaster to age a minimum of 30 days before preparation for painting.

3.6.3 Existing Asbestos Cement Surfaces

Remove oily stains by solvent cleaning with mineral spirits, [CID A-A-2904](#). Remove loose dirt, dust, and other deleterious substances by brushing with a soft brush or rubbing with a dry cloth prior to application of the first coat material. Do not wire brush or clean using other abrasive methods. Surfaces shall be dry and clean prior to application of the coating.

3.7 PREPARATION OF WOOD AND PLYWOOD SURFACES

3.7.1 New, Existing Uncoated, and Existing Coated Plywood and Wood Surfaces, Except Floors To Receive a Mutual Finish:

- a. Wood surfaces shall be cleaned of foreign matter.

Surface Cleaning: Surfaces shall be free from dust and other deleterious substances and in a condition approved by the Contracting Officer prior to receiving paint or other finish. Do not use water to clean uncoated wood. Scrape to remove loose coatings. Lightly sand to roughen the entire area of previously enamel-coated wood surfaces.
- b. **Removal of Fungus and Mold:** Wash existing coated surfaces with a solution composed of 3 ounces (2/3 cup) trisodium phosphate, 1 ounce (1/3 cup) household detergent, 1 quart 5 percent sodium hypochlorite solution and 3 quarts of warm water. Rinse thoroughly with fresh water.
- c. Moisture content of the wood shall not exceed 12 percent as measured by a moisture meter in accordance with [ASTM D 4444](#), Method A, unless otherwise authorized.
- d. Wood surfaces adjacent to surfaces to receive water-thinned paints shall be primed and/or touched up before applying water-thinned paints.
- e. **Cracks and Nailheads:** Set and putty stop nailheads and putty cracks after the prime coat has dried.

f. Cosmetic Repair of Minor Defects:

(1) Knots and Resinous Wood and Fire, Smoke, Water, and Color Marker Stained Existing Coated Surface: Prior to application of coating, cover knots and stains with two or more coats of 3-pound-cut shellac varnish, plasticized with 5 ounces of castor oil per gallon. Scrape away existing coatings from knotty areas, and sand before treating. Prime before applying any putty over shellacked area.

(2) Open Joints and Other Openings: Fill with whiting putty, linseed oil putty. Sand smooth after putty has dried.

(3) Checking: Where checking of the wood is present, sand the surface, wipe and apply a coat of pigmented orange shellac. Allow to dry before paint is applied.

g. Prime Coat For New Exterior Surfaces: Prime coat before wood becomes dirty, warped, or weathered.

3.7.2 Wood Floor Surfaces, Natural Finish

- a. Initial Surface Cleaning: As specified in paragraph entitled "Surface Preparation."
- b. Existing Loose Boards and Shoe Molding: Before sanding, renail loose boards. Countersink nails and fill with an approved wood filler. Remove shoe molding before sanding and reinstall after completing other work. At Contractor's option, new shoe molding may be provided in lieu of reinstalling old. New wood molding shall be same size, wood species, and finish as the existing.
- c. Sanding and Scraping: Traverse floors a minimum of three times with power sander. A rotary disc sander may be used for the final cut, but make other cuts with a drum-type machine. Make succeeding cuts in direction of grain. Use No. 2 sandpaper for first traverse, No. 1/2 for second traverse, and No. 0 for the third. Use electric edger or hand sander for small areas near walls, in corners, and in small closets. hand scrape small areas as necessary. Follow scraping by hand sanding in same direction as final cut.
- d. Final Cleaning: After sanding, sweep and vacuum floors clean. Do not walk on floors thereafter until specified sealer has been applied and is dry.

3.7.3 Interior Wood Surfaces, Stain Finish

Interior wood surfaces to receive stain shall be sanded. Oak and other open-grain wood to receive stain shall be given a coat of wood filler not less than 8 hours before the application of stain; excess filler shall be removed and the surface sanded smooth.

3.8 APPLICATION

3.8.1 Coating Application

Painting practices shall comply with applicable federal, state and local

laws enacted to insure compliance with Federal Clean Air Standards. Apply coating materials in accordance with **SSPC PA 1**. **SSPC PA 1** methods are applicable to all substrates, except as modified herein.

At the time of application, paint shall show no signs of deterioration. Uniform suspension of pigments shall be maintained during application.

Unless otherwise specified or recommended by the paint manufacturer, paint may be applied by brush, roller, or spray. Rollers for applying paints and enamels shall be of a type designed for the coating to be applied and the surface to be coated.

Paints, except water-thinned types, shall be applied only to surfaces that are completely free of moisture as determined by sight or touch.

Thoroughly work coating materials into joints, crevices, and open spaces. Special attention shall be given to insure that all edges, corners, crevices, welds, and rivets receive a film thickness equal to that of adjacent painted surfaces.

Each coat of paint shall be applied so dry film shall be of uniform thickness and free from runs, drops, ridges, waves, pinholes or other voids, laps, brush marks, and variations in color, texture, and finish. Hiding shall be complete.

Touch up damaged coatings before applying subsequent coats. Interior areas shall be broom clean and dust free before and during the application of coating material.

Apply paint to new fire extinguishing sprinkler systems including valves, piping, conduit, hangers, supports, miscellaneous metal work, and accessories. Shield sprinkler heads with protective coverings while painting is in progress. Remove sprinkler heads which have been painted and replace with new sprinkler heads. For piping in unfinished spaces, provide primed surfaces with one coat of red alkyd gloss enamel to a minimum dry film thickness of **1.0 mil**. Unfinished spaces include attic spaces, spaces above suspended ceilings, crawl spaces, pipe chases, mechanical equipment room, and space where walls or ceiling are not painted or not constructed of a prefinished material. For piping in finished areas, provide prime surfaces with two coats of paint to match adjacent surfaces, except provide valves and operating accessories with one coat of red alkyd gloss enamel. Upon completion of painting, remove protective covering from sprinkler heads.

- a. **Drying Time:** Allow time between coats, as recommended by the coating manufacturer, to permit thorough drying, but not to present topcoat adhesion problems. Provide each coat in specified condition to receive next coat.
- b. **Primers, and Intermediate Coats:** Do not allow primers or intermediate coats to dry more than 30 days, or longer than recommended by manufacturer, before applying subsequent coats. Follow manufacturer's recommendations for surface preparation if primers or intermediate coats are allowed to dry longer than recommended by manufacturers of subsequent coatings. Each coat shall cover surface of preceding coat or surface completely, and there shall be a visually perceptible difference in shades of successive coats.

- c. **Finished Surfaces:** Provide finished surfaces free from runs, drops, ridges, waves, laps, brush marks, and variations in colors.
- d. **Thermosetting Paints:** Topcoats over thermosetting paints (epoxies and urethanes) should be applied within the overcoating window recommended by the manufacturer.
- e. **Floors:** For nonslip surfacing on level floors, as the intermediate coat is applied, cover wet surface completely with almandite garnet, Grit No. 36, with maximum passing U.S. Standard Sieve No. 40 less than 0.5 percent. When the coating is dry, use a soft bristle broom to sweep up excess grit, which may be reused, and vacuum up remaining residue before application of the topcoat. For nonslip surfacing on ramps, provide MPI 77 with non-skid additive, applied by roller in accordance with manufacturer's instructions.

3.8.2 **Mixing** and Thinning of Paints

Reduce paints to proper consistency by adding fresh paint, except when thinning is mandatory to suit surface, temperature, weather conditions, application methods, or for the type of paint being used. Obtain written permission from the Contracting Officer to use thinners. The written permission shall include quantities and types of thinners to use.

3.8.3 **Two-Component Systems**

Two-component systems shall be mixed in accordance with manufacturer's instructions. Any thinning of the first coat to ensure proper penetration and sealing shall be as recommended by the manufacturer for each type of substrate.

3.8.4 **Coating Systems**

- a. **Systems by Substrates:** Apply coatings that conform to the respective specifications listed in the following Tables:

Table

- Division 3. Exterior Concrete Paint Table
- Division 4. Exterior Concrete Masonry Units Paint Table
- Division 5. Exterior Metal, Ferrous and Non-Ferrous Paint Table
- Division 6. Exterior Wood; Dressed Lumber, Paneling, Decking, Shingles Paint Table
- Division 9: Exterior Stucco Paint Table
- Division 10. Exterior Cloth Coverings and Bituminous Coated Surfaces Paint Table

- Division 3. Interior Concrete Paint Table
- Division 4. Interior Concrete Masonry Units Paint Table
- Division 5. Interior Metal, Ferrous and Non-Ferrous Paint Table
- Division 6. Interior Wood Paint Table
- Division 9: Interior Plaster, Gypsum Board, Textured Surfaces Paint Table

- b. **Minimum Dry Film Thickness (DFT):** Apply paints, primers, varnishes, enamels, undercoats, and other coatings to a minimum dry film thickness of 1.5 mil each coat unless specified otherwise in the Tables. Coating thickness where specified, refers to the

minimum dry film thickness.

- c. Coatings for Surfaces Not Specified Otherwise: Coat surfaces which have not been specified, the same as surfaces having similar conditions of exposure.
- d. Existing Surfaces Damaged During Performance of the Work, Including New Patches In Existing Surfaces: Coat surfaces with the following:
 - (1) One coat of primer.
 - (2) One coat of undercoat or intermediate coat.
 - (3) One topcoat to match adjacent surfaces.
- e. Existing Coated Surfaces To Be Painted: Apply coatings conforming to the respective specifications listed in the Tables herein, except that pretreatments, sealers and fillers need not be provided on surfaces where existing coatings are soundly adhered and in good condition. Do not omit undercoats or primers.

3.9 COATING SYSTEMS FOR METAL

Apply coatings of Tables in Division 5 for Exterior and Interior.

- a. Apply specified ferrous metal primer on the same day that surface is cleaned, to surfaces that meet all specified surface preparation requirements at time of application.
- b. Inaccessible Surfaces: Prior to erection, use one coat of specified primer on metal surfaces that will be inaccessible after erection.
- c. Shop-primed Surfaces: Touch up exposed substrates and damaged coatings to protect from rusting prior to applying field primer.
- d. Surface Previously Coated with Epoxy or Urethane: Apply MPI 101, 1.5 mils DFT immediately prior to application of epoxy or urethane coatings.
- e. Pipes and Tubing: The semitransparent film applied to some pipes and tubing at the mill is not to be considered a shop coat, but shall be overcoated with the specified ferrous-metal primer prior to application of finish coats.
- f. Exposed Nails, Screws, Fasteners, and Miscellaneous Ferrous Surfaces. On surfaces to be coated with water thinned coatings, spot prime exposed nails and other ferrous metal with latex primer MPI 107.

3.10 COATING SYSTEMS FOR CONCRETE AND CEMENTITIOUS SUBSTRATES

Apply coatings of Tables in Division 3, 4 and 9 for Exterior and Interior.

3.11 COATING SYSTEMS FOR WOOD AND PLYWOOD

- a. Apply coatings of Tables in Division 6 for Exterior and Interior.

- b. Prior to erection, apply two coats of specified primer to treat and prime wood and plywood surfaces which will be inaccessible after erection.
- c. Apply stains in accordance with manufacturer's printed instructions.
- d. Wood Floors to Receive Natural Finish: Thin first coat 2 to 1 using thinner recommended by coating manufacturer. Apply all coatings at rate of 300 to 350 square feet per gallon. Apply second coat not less than 2 hours and not over 24 hours after first coat has been applied. Apply with lambs wool applicators or roller as recommended by coating manufacturer. Buff or lightly sand between intermediate coats as recommended by coating manufacturer's printed instructions.

3.12 PIPING IDENTIFICATION

Piping Identification, Including Surfaces In Concealed Spaces: Provide in accordance with MIL-STD-101. Place stenciling in clearly visible locations. On piping not covered by MIL-STD-101, stencil approved names or code letters, in letters a minimum of 1/2 inch high for piping and a minimum of 2 inches high elsewhere. Stencil arrow-shaped markings on piping to indicate direction of flow using black stencil paint.

3.13 INSPECTION AND ACCEPTANCE

In addition to meeting previously specified requirements, demonstrate mobility of moving components, including swinging and sliding doors, cabinets, and windows with operable sash, for inspection by the Contracting Officer. Perform this demonstration after appropriate curing and drying times of coatings have elapsed and prior to invoicing for final payment.

3.14 PAINT TABLES

All DFT's are minimum values.

3.14.1 EXTERIOR PAINT TABLES

DIVISION 3: EXTERIOR CONCRETE PAINT TABLE

A. New and uncoated existing and Existing, previously painted concrete; vertical surfaces, including undersides of balconies and soffits but excluding tops of slabs:

1. Latex

New; MPI EXT 3.1A-G2 (Flat) / Existing; MPI REX 3.1A-G2 (Flat)
 Primer: Intermediate: Topcoat:
 MPI 10 MPI 10 MPI 10
 System DFT: 3.5 mils

New; MPI EXT 3.1A-G5 (Semigloss) / Existing; MPI EXT 3.1A-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 11 MPI 11 MPI 11
 System DFT: 3.5 mils

New; MPI EXT 3.1A-G6 (Gloss) / Existing; MPI REX 3.1A-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 119 MPI 119 MPI 119

DIVISION 3: EXTERIOR CONCRETE PAINT TABLE

System DFT: 3.5 mils

Primer as recommended by manufacturer. Topcoat: Coating to match adjacent surfaces.

- B. New and uncoated existing and Existing, previously painted concrete, textured system; vertical surfaces, including undersides of balconies and soffits but excluding tops of slabs:

1. Latex Aggregate

New; MPI EXT 3.1B-G2 (Flat) / Existing; MPI REX 3.1B-G2 (Flat)

Primer: Intermediate: Topcoat:

MPI 42 MPI 10 MPI 10

System DFT: Per Manufacturer

New; MPI EXT 3.1B-G5 (Semigloss) / Existing; MPI REX 3.1B-G5 (Semigloss)

Primer: Intermediate: Topcoat:

MPI 42 MPI 11 MPI 11

System DFT: Per Manufacturer

New; MPI EXT 3.1B-G6 (Gloss) / Existing; MPI REX 3.1B-G6 (Gloss)

Primer: Intermediate: Topcoat:

MPI 42 MPI 119 MPI 119

System DFT: Per Manufacturer

Texture - Texture to match adjacent surfaces. Surface preparation and number of coats in accordance with manufacturer's instructions. Topcoat: Coating

to match adjacent surfaces.

- C. New and uncoated existing and Existing, previously painted concrete, elastomeric System; vertical surfaces, including undersides of balconies and soffits but excluding tops of slabs:

1. Elastomeric Coating

New; MPI EXT 3.1F / Existing; MPI REX 3.1F

Primer: Intermediate: Topcoat:

Per Manufacturer MPI 113 MPI 113

System DFT: 16 mils

Primer as recommended by manufacturer. Topcoat: Coating to match adjacent surfaces. Surface preparation and number of coats in accordance with manufacturer's instructions.

NOTE: Apply sufficient coats of MPI 113 to achieve a minimum dry film thickness of 16 mils .

- D. New and Existing Cementitious composition board (including Asbestos cement board):

1. Latex

New; MPI EXT 3.3A-G1 (Flat) / Existing; MPI REX 3.3A-G1 (Flat)

Primer: Intermediate: Topcoat:

MPI 10 MPI 10 MPI 10

System DFT: 4.5 mils

New; MPI EXT 3.3A-G5 (Semigloss) / Existing; MPI REX 3.3A-G5 (Semigloss)

Primer: Intermediate: Topcoat:

DIVISION 3: EXTERIOR CONCRETE PAINT TABLE

MPI 11 MPI 11 MPI 11
 System DFT: 4.5 mils

New; MPI EXT 3.3A-G6 (Gloss) / Existing; MPI REX 3.3A-G6 (Gloss)

Primer: Intermediate: Topcoat:

MPI 119 MPI 119 MPI 119

System DFT: 4.5 mils

Topcoat: Coating to match adjacent surfaces.

DIVISION 4: EXTERIOR CONCRETE MASONRY UNITS PAINT TABLE

A. New and Existing concrete masonry on uncoated surface:

1. Latex

New; MPI EXT 4.2A-G1 (Flat) / Existing; MPI REX 4.2A-G1 (Flat)

Block Filler: Primer: Intermediate: Topcoat:

MPI 4 N/A MPI 10 MPI 10

System DFT: 11 mils

New; MPI EXT 4.2A-G5 (Semigloss) / Existing; MPI REX 4.2A-G5 (Semigloss)

Block Filler: Primer: Intermediate: Topcoat:

MPI 4 N/A MPI 11 MPI 11

System DFT: 11 mils

New; MPI EXT 4.2A-G6 (Gloss) / Existing; MPI REX 4.2A-G6 (Gloss)

Block Filler: Primer: Intermediate: Topcoat:

MPI 4 N/A MPI 119 MPI 119

System DFT: 11 mils

Topcoat: Coating to match adjacent surfaces.

B. New and Existing concrete masonry, textured system; on uncoated surface:

1. Latex Aggregate

New; MPI EXT 4.2B-G1 (Flat) / Existing; MPI REX 4.2B-G1 (Flat)

Primer: Intermediate: Topcoat:

MPI 42 MPI 42 MPI 10

System DFT: Per Manufacturer

New; MPI EXT 4.2B-G5 (Semigloss) / Existing; MPI REX 4.2B-G5 (Semigloss)

Primer: Intermediate: Topcoat:

MPI 42 MPI 42 MPI 11

System DFT: Per Manufacturer

New; MPI EXT 4.2B-G6 (Gloss) / Existing; MPI REX 4.2B-G6 (Gloss)

Primer: Intermediate: Topcoat:

MPI 42 MPI 42 MPI 119

System DFT: Per Manufacturer

Texture - *Texture to match adjacent surfaces.* Surface preparation and number of coats in accordance with manufacturer's instructions. Topcoat: Coating to match adjacent surfaces.

C. New and Existing concrete masonry, elastomeric system; on uncoated

DIVISION 4: EXTERIOR CONCRETE MASONRY UNITS PAINT TABLE
 surface:

1. Elastomeric Coating

New; MPI EXT 4.2D / Existing; MPI REX 4.2D

Primer: Intermediate: Topcoat:

Per Manufacturer MPI 113 MPI 113

System DFT: 16 mils

Primer as recommended by manufacturer. Topcoat: Coating to match adjacent surfaces. Surface preparation and number of coats in accordance with manufacturer's instructions.

NOTE: Apply sufficient coats of MPI 113 to achieve a minimum dry film thickness of 16 mils.

DIVISION 5: EXTERIOR METAL, FERROUS AND NON-FERROUS PAINT TABLE

STEEL / FERROUS SURFACES

A. New Steel that has been hand or power tool cleaned to SSPC SP 2 or SSPC SP 3

1. Alkyd

New; MPI EXT 5.1Q-G5 (Semigloss) Existing; MPI REX 5.1D-G5

Primer: Intermediate: Topcoat:

MPI 23 MPI 94 MPI 94

System DFT: 5.25 mils

New; MPI EXT 5.1Q-G6 (Gloss) / Existing; MPI REX 5.1D-G6

Primer: Intermediate: Topcoat:

MPI 23 MPI 9 MPI 9

System DFT: 5.25 mils

B. New Steel that has been blast-cleaned to SSPC SP 6:

2. Alkyd

New; MPI EXT 5.1D-G5 (Semigloss) / Existing; MPI REX 5.1D-G5

Primer: Intermediate: Topcoat:

MPI 79 MPI 94 MPI 94

System DFT: 5.25 mils

New; MPI EXT 5.1D-G6 (Gloss) / Existing; MPI REX 5.1D-G6

Primer: Intermediate: Topcoat:

MPI 79 MPI 9 MPI 9

System DFT: 5.25 mils

C. Existing steel that has been spot-blasted to SSPC SP 6:

1. Surface previously coated with alkyd or latex:

Waterborne Light Industrial Coating

MPI REX 5.1C-G5 (Semigloss)

Spot Primer: Intermediate: Topcoat:

MPI 79 MPI 110-G5 MPI 110-G5

System DFT: 5 mils

MPI REX 5.1C-G6 (Gloss)

Spot Primer: Intermediate: Topcoat:

STEEL / FERROUS SURFACES

MPI 79 MPI 110-G6 MPI 110-G6
 System DFT: 5 mils

2. Surface previously coated with epoxy:

Waterborne Light Industrial

a. MPI REX 5.1L-G5 (Semigloss)
 Spot Primer: Intermediate: Topcoat:
 MPI 101 MPI 110-G5 MPI 110-G5
 System DFT: 5 mils

MPI REX 5.1L-G6 (Gloss)
 Spot Primer: Intermediate: Topcoat:
 MPI 101 MPI 110-G6 MPI 110-G6
 System DFT: 5 mils

Pigmented Polyurethane

b. MPI REX 5.1H-G6 (Gloss)
 Spot Primer: Intermediate: Topcoat:
 MPI 101 MPI 108 MPI 72
 System DFT: 8.5 mils

D. New and existing steel blast cleaned to SSPC SP 10:

1. Waterborne Light Industrial

MPI EXT 5.1R-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 101 MPI 108 MPI 110-G5
 System DFT: 8.5 mils

MPI EXT 5.1R-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 101 MPI 108 MPI 110-G6
 System DFT: 8.5 mils

2. Pigmented Polyurethane

MPI EXT 5.1J-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 101 MPI 108 MPI 72
 System DFT: 8.5 mils

E. Metal floors (non-shop-primed surfaces or non-slip deck surfaces) with non-skid additive (NSA), load at manufacturer's recommendations.:

1. Alkyd Floor Enamel

MPI EXT 5.1S-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 27 MPI 27 (+NSA)
 System DFT: 5.25 mils

EXTERIOR GALVANIZED SURFACES

F. New Galvanized surfaces:

1. Cementitious primer / Latex

MPI EXT 5.3A-G1 (Flat)
 Primer: Intermediate: Topcoat:
 MPI 26 MPI 10 MPI 10

EXTERIOR GALVANIZED SURFACES

System DFT: 4.5 mils

MPI EXT 5.3A-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 26	MPI 11	MPI 11

System DFT: 4.5 mils

MPI EXT 5.3A-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 26	MPI 119	MPI 119

System DFT: 4.5 mils

2. Waterborne Primer / Latex

MPI EXT 5.3H-G1 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 134	MPI 10	MPI 10

System DFT: 4.5 mils

MPI EXT 5.3H-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 134	MPI 11	MPI 11

System DFT: 4.5 mils

MPI EXT 5.3H-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 134	MPI 119	MPI 119

System DFT: 4.5 mils

3. Waterborne Primer / Waterborne Light Industrial Coating

MPI EXT 5.3J-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 134	MPI 110-G5	MPI 110-G5

System DFT: 4.5 mils

MPI EXT 5.3J-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 134	MPI 110-G6	MPI 110-G6

System DFT: 4.5 mils

4. Epoxy Primer / Waterborne Light Industrial Coating

MPI EXT 5.3K-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 101	MPI 110-G5	MPI 110-G5

System DFT: 5 mils

MPI EXT 5.3K-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 101	MPI 110-G6	MPI 110-G6

System DFT: 5 mils

5. Pigmented Polyurethane

MPI EXT 5.3L-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 101	N/A	MPI 72

System DFT: 5 mils

G. Galvanized surfaces with slight coating deterioration; little or no rusting:

EXTERIOR GALVANIZED SURFACES

- 1. Waterborne Light Industrial Coating
 MPI REX 5.3J-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 134 N/A MPI 110-G5
 System DFT: 4.5 mils

- 2. Pigmented Polyurethane
 MPI REX 5.3D-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 101 N/A MPI 72
 System DFT: 5 mils

H. Galvanized surfaces with severely deteriorated coating or rusting:

- 1. Waterborne Light Industrial Coating
 MPI REX 5.3L-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 101 MPI 108 MPI 110-G5
 System DFT: 8.5 mils

- MPI REX 5.3L-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 101 MPI 108 MPI 110-G6
 System DFT: 8.5 mils

- 2. Pigmented Polyurethane
 MPI REX 5.3K-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 101 MPI 108 MPI 72
 System DFT: 5 mils

EXTERIOR SURFACES, OTHER METALS (NON-FERROUS)

I. Aluminum, aluminum alloy and other miscellaneous non-ferrous metal items not otherwise specified except hot metal surfaces, roof surfaces, and new prefinished equipment. Match surrounding finish:

- 1. Alkyd
 MPI EXT 5.4F-G1 (Flat)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 8 MPI 8
 System DFT: 5 mils

- MPI EXT 5.4F-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 94 MPI 94
 System DFT: 5 mils

- MPI EXT 5.4F-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 9 MPI 9
 System DFT: 5 mils

- 2. Waterborne Light Industrial Coating
 MPI EXT 5.4G-G3 (Eggshell)
 Primer: Intermediate: Topcoat:

EXTERIOR SURFACES, OTHER METALS (NON-FERROUS)

MPI 95 MPI 110-G3 MPI 110-G3
 System DFT: 5 mils

MPI EXT 5.4G-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 110-G5 MPI 110-G5
 System DFT: 5 mils

MPI EXT 5.4G-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 110-G6 MPI 110-G6
 System DFT: 5 mils

I. Existing roof surfaces previously coated:

1. Aluminum Pigmented Asphalt Roof Coating
 ASTM D 2824: Sufficient coats to provide not less than 8 mils
 of finished coating system (without asbestos fibers).

2. Aluminum Paint
 MPI REX 10.2D
 Primer: Intermediate: Topcoat:
 MPI 107 MPI 1 MPI 1
 System DFT: 3.5 mils

J. Surfaces adjacent to painted surfaces; Mechanical, Electrical, Fire
 extinguishing sprinkler systems including valves, conduit, hangers,
 supports, exposed copper piping, and miscellaneous metal items not otherwise
 specified except floors, hot metal surfaces, and new prefinished equipment.
 Match surrounding finish:

1. Alkyd
 MPI EXT 5.1D-G1 (Flat)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 8 MPI 8
 System DFT: 5.25 mils

MPI EXT 5.1D-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 94 MPI 94
 System DFT: 5.25 mils

MPI EXT 5.1D-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 9 MPI 9
 System DFT: 5.25 mils

2. Waterborne Light Industrial Coating
 MPI EXT 5.1C-G3 (Eggshell)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 110-G3 MPI 110-G3
 System DFT: 5 mils

MPI EXT 5.1C-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 110-G5 MPI 110-G5
 System DFT: 5 mils

EXTERIOR SURFACES, OTHER METALS (NON-FERROUS)

MPI EXT 5.1C-G6(Gloss)

Primer:	Intermediate:	Topcoat:
MPI 79	MPI 110-G6	MPI 110-G6
System DFT: 5 mils		

K. Hot metal surfaces including smokestacks subject to temperatures up to 205 degrees C (400 degrees F):

1. Heat Resistant Enamel

MPI EXT 5.2A

Primer:	Intermediate:	Topcoat:
MPI 21	Surface preparation and number of coats per manufacturer's instructions.	
System DFT: Per Manufacturer		

L. Ferrous metal subject to high temperature, up to 400 degrees C (750 degrees F):

1. Inorganic Zinc Rich Coating

MPI EXT 5.2C

Primer:	Intermediate:	Topcoat:
MPI 19	Surface preparation and number of coats per manufacturer's instructions.	
System DFT: Per Manufacturer		

2. Heat Resistant Aluminum Enamel

MPI EXT 5.2B (Aluminum Finish)

Primer:	Intermediate:	Topcoat:
MPI 2	Surface preparation and number of coats per manufacturer's instructions.	
System DFT: Per Manufacturer		

M. New surfaces and Existing surfaces made bare cleaning to SSPC SP 10 subject to temperatures up to 593 degrees C (1100 degrees F):

1. Heat Resistant Coating

MPI EXT 5.2D

Primer:	Intermediate:	Topcoat:
MPI 22	Surface preparation and number of coats per manufacturer's instructions.	
System DFT: Per Manufacturer		

DIVISION 6: EXTERIOR WOOD; DRESSED LUMBER, PANELING, DECKING, SHINGLES PAINT TABLE

A. New and Existing, uncoated Dressed lumber, Wood and plywood, trim, including top, bottom and edges of doors not otherwise specified:

1. Alkyd

MPI EXT 6.3B-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 7	MPI 94	MPI 94
System DFT: 5 mils		

MPI EXT 6.3B-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 7	MPI 9	MPI 9

DIVISION 6: EXTERIOR WOOD; DRESSED LUMBER, PANELING, DECKING, SHINGLES PAINT TABLE

System DFT: 5 mils

2. Latex

MPI EXT 6.3A-G1 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 7	MPI 10	MPI 10

System DFT: 5 mils

MPI EXT 6.3A-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 7	MPI 11	MPI 11

System DFT: 5 mils

MPI EXT 6.3A-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 7	MPI 119	MPI 119

System DFT: 5 mils

3. Waterborne Solid Color Stain

MPI EXT 6.3K

Primer:	Intermediate:	Topcoat:
MPI 7	MPI 16	MPI 16

System DFT: 4.25 mils

B. Existing, dressed lumber, Wood and plywood, trim, including top, bottom and edges of doors previously coated with an alkyd / oil based finish coat not otherwise specified:

1. Alkyd

MPI REX 6.3B-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 5	MPI 94	MPI 94

System DFT: 5 mils

MPI REX 6.3B-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 5	MPI 9	MPI 9

System DFT: 5 mils

2. Latex

MPI REX 6.3A-G1 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 5	MPI 10	MPI 10

System DFT: 5 mils

MPI REX 6.3A-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 5	MPI 11	MPI 11

System DFT: 5 mils

MPI REX 6.3A-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 5	MPI 119	MPI 119

System DFT: 5 mils

C. Existing, dressed lumber, Wood and plywood, trim, including top, bottom and edges of doors previously coated with a latex / waterborne finish coat

DIVISION 6: EXTERIOR WOOD; DRESSED LUMBER, PANELING, DECKING, SHINGLES PAINT TABLE

not otherwise specified:

1. Latex

MPI REX 6.3L-G1 (Flat)

Spot Primer:	Intermediate:	Topcoat:
MPI 6	MPI 10	MPI 10
System DFT: 4.5 mils		

MPI REX 6.3L-G5 (Semigloss)

Spot Primer:	Intermediate:	Topcoat:
MPI 6	MPI 11	MPI 11
System DFT: 4.5 mils		

MPI REX 6.3L-G6 (Gloss)

Spot Primer:	Intermediate:	Topcoat:
MPI 6	MPI 119	MPI 119
System DFT: 4.5 mils		

2. Waterborne Solid Color Stain

MPI REX 6.3K (Stain)

Spot Primer:	Intermediate:	Topcoat:
MPI 6	MPI 16	MPI 16
System DFT: 4 mils		

D. New, Uncoated wood siding:

1. Semi-Transparent Stain

MPI EXT 6.3D

Spot Primer:	Intermediate:	Topcoat:
N/A	MPI 13	MPI 13
System DFT: N/A		

E. Wood: Steps, platforms, floors of open porches, and with non-skid additive (NSA), load at manufacturer's recommendations.]:

1. Latex Floor Paint

MPI EXT 6.5A-G2 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 5	MPI 60 +NSA	MPI 60 +NSA
System DFT: 4.5 mils		

MPI EXT 6.5A-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 5	MPI 68 +NSA	MPI 68 +NSA
System DFT: 4.5 mils		

2. Alkyd Floor Paint

MPI EXT 6.5B-G2 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 59	MPI 59 +NSA	MPI 59 +NSA
System DFT: 5 mils		

MPI EXT 6.5B-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 27	MPI 27 +NSA	MPI 27 +NSA
System DFT: 5 mils		

DIVISION 6: EXTERIOR WOOD; DRESSED LUMBER, PANELING, DECKING, SHINGLES PAINT TABLE

DIVISION 10: EXTERIOR CLOTH COVERINGS AND BITUMINOUS COATED SURFACES PAINT TABLE

A. Insulation and surfaces of insulation coverings (canvas, cloth, paper):
(Interior and Exterior Applications)

1. Latex

MPI EXT 10.1A-G1 (Flat)

Primer:	Intermediate:	Topcoat:
N/A	MPI 10	MPI 10
System DFT: 3.2 mils		

MPI EXT 10.1A-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
N/A	MPI 11	MPI 11
System DFT: 3.2 mils		

MPI EXT 10.1A-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
N/A	MPI 119	MPI 119
System DFT: 3.2 mils		

Topcoat: Coating to match adjacent surfaces.

3.14.2 INTERIOR PAINT TABLES

DIVISION 3: INTERIOR CONCRETE PAINT TABLE

A. New and uncoated existing and Existing, previously painted Concrete, vertical surfaces, not specified otherwise:

1. Latex

New; MPI INT 3.1A-G2 (Flat) / Existing; MPI RIN 3.1A-G2 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 44	MPI 44
System DFT: 4 mils		

New; MPI INT 3.1A-G3 (Eggshell) / Existing; MPI RIN 3.1A-G3 (Eggshell)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 52	MPI 52
System DFT: 4 mils		

New; MPI INT 3.1A-G5 (Semigloss) / Existing; MPI RIN 3.1A-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 54	MPI 54
System DFT: 4 mils		

2. High Performance Architectural Latex

New; MPI INT 3.1C-G2 (Flat) / Existing; MPI RIN 3.1J-G2 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 138	MPI 138
System DFT: 4 mils		

New; MPI INT 3.1C-G3 (Eggshell) / Existing; MPI RIN 3.1J-G3 (Eggshell)

DIVISION 3: INTERIOR CONCRETE PAINT TABLE

Primer: Intermediate: Topcoat:
 MPI 50 MPI 139 MPI 139
 System DFT: 4 mils

New; MPI INT 3.1C-G4 (satin)/ Existing; MPI RIN 3.1J-G4
 Primer: Intermediate: Topcoat:
 MPI 50 MPI 140 MPI 140
 System DFT: 4 mils

New; MPI INT 3.1C-G5 (Semigloss) / Existing; MPI RIN 3.1J-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 50 MPI 141 MPI 141
 System DFT: 4 mils

3. Institutional Low Odor / Low VOC Latex

New; MPI INT 3.1M-G2 (Flat) / Existing; MPI RIN 3.1L-G2 (Flat)
 Primer: Intermediate: Topcoat:
 MPI 50 MPI 144 MPI 144
 System DFT: 4 mils

New; MPI INT 3.1M-G3 (Eggshell) / Existing; MPI RIN 3.1L-G3 (Eggshell)
 Primer: Intermediate: Topcoat:
 MPI 50 MPI 145 MPI 145
 System DFT: 4 mils

New; MPI INT 3.1M-G4 (satin)/ Existing; MPI RIN 3.1L-G4
 Primer: Intermediate: Topcoat:
 MPI 50 MPI 146 MPI 146
 System DFT: 4 mils

New; MPI INT 3.1M-G5 (Semigloss) / Existing; MPI RIN 3.1L-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 50 MPI 147 MPI 147
 System DFT: 4 mils

B. Concrete ceilings, uncoated:

1. Latex Aggregate

MPI INT 3.1N
 Primer: Intermediate: Topcoat:
 N/A N/A MPI 42
 System DFT: Per Manufacturer

Texture - **Texture to match adjacent surfaces.** Surface preparation, number of coats, and primer in accordance with manufacturer's instructions.
 Topcoat: Coating to match adjacent surfaces.

C. New and uncoated existing and Existing, previously painted Concrete in toilets, food-preparation, food-serving, shower areas, areas requiring a high degree of sanitation, and other high-humidity areas not otherwise specified except floors:

1. Waterborne Light Industrial Coating

New; MPI INT 3.1L-G3 (Eggshell) / Existing; MPI RIN 3.1C-G3 (Eggshell)
 Primer: Intermediate: Topcoat:
 MPI 110-G3 MPI 110-G3 MPI 110-G3
 System DFT: 4.8 mils

DIVISION 3: INTERIOR CONCRETE PAINT TABLE

New; MPI INT 3.1L-G5(Semigloss) / Existing; MPI RIN 3.1C-G5(Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 110-G5	MPI 110-G5	MPI 110-G5

System DFT: 4.8 mils

New; MPI INT 3.1L-G6(Gloss) / Existing; MPI RIN 3.1C-G6(Gloss)

Primer:	Intermediate:	Topcoat:
MPI 110-G6	MPI 110-G6	MPI 110-G6

System DFT: 4.8 mils

2. Alkyd

New; MPI INT 3.1D-G3 (Eggshell) / Existing; RIN 3.1D-G3 (Eggshell)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 51	MPI 51

System DFT: 4.5 mils

MPI INT 3.1D-G5 (Semigloss) / Existing; RIN 3.1D-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 47	MPI 47

System DFT: 4.5 mils

MPI INT 3.1D-G6 (Gloss) / Existing; RIN 3.1D-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 48	MPI 48

System DFT: 4.5 mils

3. Epoxy

New; MPI INT 3.1F-G6 (Gloss) / Existing; MPI RIN 3.1E-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 77	MPI 77	MPI 77

System DFT: 4 mils

Note: Primer may be reduced for penetration per manufacturer's instructions.

D. New and uncoated existing and Existing, previously painted concrete floors in following areas:

1. Latex Floor Paint

New; MPI INT 3.2A-G2 (Flat) / Existing; MPI RIN 3.2A-G2 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 60	MPI 60	MPI 60

System DFT: 5 mils

2. Alkyd Floor Paint

New; MPI INT 3.2B-G2 (Flat) / Existing; MPI RIN 3.2B-G2 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 59	MPI 59	MPI 59

System DFT: 5 mils

3. Epoxy

New; MPI INT 3.2C-G6 (Gloss) / Existing; MPI RIN 3.2C-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 77	MPI 77	MPI 77

System DFT: 5 mils

Note: Primer may be reduced for penetration per manufacturer's instructions.

DIVISION 3: INTERIOR CONCRETE PAINT TABLE

DIVISION 4: INTERIOR CONCRETE MASONRY UNITS PAINT TABLE

A. New and uncoated Existing Concrete masonry:

1. High Performance Architectural Latex

MPI INT 4.2D-G2 (Flat)
 Filler Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 138 MPI 138
 System DFT: 11 mils

MPI INT 4.2D-G3 (Eggshell)
 Filler Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 139 MPI 139
 System DFT: 11 mils

MPI INT 4.2D-G4 (Satin)
 Filler Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 140 MPI 140
 System DFT: 11 mils

MPI INT 4.2D-G5 (Semigloss)
 Filler Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 141 MPI 141
 System DFT: 11 mils

Fill all holes in masonry surface

2. Institutional Low Odor / Low VOC Latex

New; MPI INT 4.2E-G2 (Flat)
 Filler Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 144 MPI 144
 System DFT: 4 mils

New; MPI INT 4.2E-G3 (Eggshell)
 Filler Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 145 MPI 145
 System DFT: 4 mils

New; MPI INT 4.2E-G4 (Satin)
 Filler Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 146 MPI 146
 System DFT: 4 mils

New; MPI INT 4.2E-G5 (Semigloss)
 Filler Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 147 MPI 147
 System DFT: 4 mils

B. Existing, previously painted Concrete masonry:

1. High Performance Architectural Latex

MPI RIN 4.2K-G2 (Flat)
 Spot Primer: Intermediate: Topcoat:
 MPI 50 MPI 138 MPI 138
 System DFT: 4.5 mils

MPI RIN 4.2K-G3 (Eggshell)

DIVISION 4: INTERIOR CONCRETE MASONRY UNITS PAINT TABLE

Spot Primer: Intermediate: Topcoat:
 MPI 50 MPI 139 MPI 139
 System DFT: 4.5 mils

MPI RIN 4.2K-G4
 Spot Primer: Intermediate: Topcoat:
 MPI 50 MPI 140 MPI 140
 System DFT: 4.5 mils

MPI RIN 4.2K-G5 (Semigloss)
 Spot Primer: Intermediate: Topcoat:
 MPI 50 MPI 141 MPI 141
 System DFT: 4.5 mils

2. Institutional Low Odor / Low VOC Latex

Existing; MPI RIN 4.2L-G2 (Flat)
 Spot Primer: Intermediate: Topcoat:
 MPI 50 MPI 144 MPI 144
 System DFT: 4 mils

Existing; MPI RIN 4.2L-G3 (Eggshell)
 Spot Primer: Intermediate: Topcoat:
 MPI 50 MPI 145 MPI 145
 System DFT: 4 mils

Existing; MPI RIN 4.2L-G4 (Satin)
 Spot Primer: Intermediate: Topcoat:
 MPI 50 MPI 146 MPI 146
 System DFT: 4 mils

Existing; MPI RIN 4.2L-G5 (Semigloss)
 Spot Primer: Intermediate: Topcoat:
 MPI 50 MPI 147 MPI 147
 System DFT: 4 mils

C. New and uncoated Existing Concrete masonry units in toilets, food-preparation, food-serving, shower areas], areas requiring a high degree of sanitation, and other high humidity areas] unless otherwise specified:

1. Waterborne Light Industrial Coating

MPI INT 4.2K-G3 (Eggshell)
 Filler: Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 110-G3 MPI 110-G3
 System DFT: 11 mils

MPI INT 4.2K-G5 (Semigloss)
 Filler: Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 110-G5 MPI 110-G5
 System DFT: 11 mils

MPI INT 4.2K-G6 (Gloss)
 Filler: Primer: Intermediate: Topcoat:
 MPI 4 N/A MPI 110-G6 MPI 110-G6
 System DFT: 11 mils

Fill all holes in masonry surface

2. Alkyd

DIVISION 4: INTERIOR CONCRETE MASONRY UNITS PAINT TABLE

MPI INT 4.2N-G3 (Eggshell)
 Filler: MPI 4 Primer: MPI 50 Intermediate: MPI 51 Topcoat: MPI 51
 System DFT: 12 mils

MPI INT 4.2N-G5 (Semigloss)
 Filler: MPI 4 Primer: MPI 50 Intermediate: MPI 47 Topcoat: MPI 47
 System DFT: 12 mils

MPI INT 4.2N-G6 (Gloss)
 Filler: MPI 4 Primer: MPI 50 Intermediate: MPI 48 Topcoat: MPI 48
 System DFT: 12 mils

Fill all holes in masonry surface

3. Epoxy

MPI INT 4.2G-G6 (Gloss)
 Filler: MPI 116 Primer: N/A Intermediate: MPI 77 Topcoat: MPI 77
 System DFT: 10 mils

Fill all holes in masonry surface

D. Existing, previously painted, concrete masonry units in toilets, food-preparation, food-serving, shower areas , areas requiring a high degree of sanitation, and other high humidity areas] unless otherwise specified:

1. Waterborne Light Industrial Coating

MPI RIN 4.2G-G3(Eggshell)
 Spot Primer: MPI 110-G3 Intermediate: MPI 110-G3 Topcoat: MPI 110-G3
 System DFT: 4.5 mils

MPI RIN 4.2G-G5(Semigloss)
 Spot Primer: MPI 110-G5 Intermediate: MPI 110-G5 Topcoat: MPI 110-G5
 System DFT: 4.5 mils

MPI RIN 4.2G-G6(Gloss)
 Spot Primer: MPI 110-G6 Intermediate: MPI 110-G6 Topcoat: MPI 110-G6
 System DFT: 4.5 mils

2. Alkyd

MPI RIN 4.2C-G3 (Eggshell)
 Spot Primer: MPI 50 Intermediate: MPI 51 Topcoat: MPI 51
 System DFT: 4.5 mils

MPI RIN 4.2C-G5 (Semigloss)
 Spot Primer: MPI 50 Intermediate: MPI 47 Topcoat: MPI 47
 System DFT: 4.5 mils

MPI RIN 4.2C-G6 (Gloss)
 Spot Primer: Intermediate: Topcoat:

DIVISION 4: INTERIOR CONCRETE MASONRY UNITS PAINT TABLE

MPI 50 MPI 48 MPI 48
 System DFT: 4.5 mils

3. Epoxy

MPI RIN 4.2D-G6 (Gloss)
 Spot Primer: Intermediate: Topcoat:
 MPI 77 MPI 77 MPI 77
 System DFT: 5 mils

DIVISION 5: INTERIOR METAL, FERROUS AND NON-FERROUS PAINT TABLE

INTERIOR STEEL / FERROUS SURFACES

A. Metal, Mechanical, Electrical, Fire extinguishing sprinkler systems including valves, conduit, hangers, supports, Surfaces adjacent to painted surfaces (Match surrounding finish), exposed copper piping, and miscellaneous metal items not otherwise specified except floors, hot metal surfaces, and new prefinished equipment:

1. High Performance Architectural Latex

MPI INT 5.1R-G2 (Flat)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 138 MPI 138
 System DFT: 5 mils

MPI INT 5.1R-G3 (Eggshell)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 139 MPI 139
 System DFT: 5 mils

MPI INT 5.1R-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 141 MPI 141
 System DFT: 5 mils

2. Alkyd

MPI INT 5.1E-G2 (Flat)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 49 MPI 49
 System DFT: 5.25 mils

MPI INT 5.1E-G3 (Eggshell)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 51 MPI 51
 System DFT: 5.25 mils

MPI INT 5.1E-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 47 MPI 47
 System DFT: 5.25 mils

MPI INT 5.1E-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 79 MPI 48 MPI 48
 System DFT: 5.25 mils

B. Metal floors (non-shop-primed surfaces or non-slip deck surfaces) with

INTERIOR STEEL / FERROUS SURFACES

non-skid additive (NSA), load at manufacturer's recommendations.:

1. Alkyd Floor Paint

MPI INT 5.1U-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 79	MPI 27	MPI 27 (+NSA)
System DFT: 5.25 mils		

2. Epoxy

MPI INT 5.1L-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 101	MPI 77	MPI 77 (+NSA)
System DFT: 5.25 mils		

C. Metal in toilets, food-preparation, food-serving, shower areas, areas requiring a high degree of sanitation, and other high-humidity areas not otherwise specified except floors, hot metal surfaces, and new prefinished equipment:

1. Alkyd

MPI INT 5.1E-G3 (Eggshell)

Primer:	Intermediate:	Topcoat:
MPI 79	MPI 51	MPI 51
System DFT: 5.25 mils		

MPI INT 5.1E-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 79	MPI 47	MPI 47
System DFT: 5.25 mils		

MPI INT 5.1E-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 79	MPI 48	MPI 48
System DFT: 5.25 mils		

2. Alkyd

MPI INT 5.1T-G3 (Eggshell) For hand tool cleaning

Primer:	Intermediate:	Topcoat:
MPI 23	MPI 51	MPI 51
System DFT: 5.25 mils		

MPI INT 5.1T-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 23	MPI 47	MPI 47
System DFT: 5.25 mils		

MPI INT 5.1T-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 23	MPI 48	MPI 48
System DFT: 5.25 mils		

D. Ferrous metal in concealed damp spaces or in exposed areas having unpainted adjacent surfaces as follows:

1. Aluminum Paint

MPI INT 5.1M

Primer:	Intermediate:	Topcoat:
---------	---------------	----------

INTERIOR STEEL / FERROUS SURFACES

MPI 79 MPI 1 MPI 1
 System DFT: 4.25 mils

E. Miscellaneous non-ferrous metal items not otherwise specified except floors, hot metal surfaces, and new prefinished equipment. Match surrounding finish:

1. High Performance Architectural Latex

MPI INT 5.4F-G2 (Flat)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 138 MPI 138
 System DFT: 5 mils

MPI INT 5.4F-G3 (Eggshell)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 139 MPI 139
 System DFT: 5 mils

MPI INT 5.4F-G4 (Satin)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 140 MPI 140
 System DFT: 5 mils

MPI INT 5.4F-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 141 MPI 141
 System DFT: 5 mils

2. Alkyd

MPI INT 5.4J-G2 (Flat)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 49 MPI 49
 System DFT: 5 mils

MPI INT 5.4J-G3 (Eggshell)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 51 MPI 51
 System DFT: 5 mils

MPI INT 5.4J-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 47 MPI 47
 System DFT: 5 mils

MPI INT 5.4J-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 95 MPI 48 MPI 48
 System DFT: 5 mils

F. Hot metal surfaces including smokestacks subject to temperatures up to 205 degrees C (400 degrees F):

1. Heat Resistant Enamel

MPI INT 5.2A
 Primer: Intermediate: Topcoat:
 MPI 21 Surface preparation and number of coats per manufacturer's instructions.

INTERIOR STEEL / FERROUS SURFACES
 System DFT: Per Manufacturer

G. Ferrous metal subject to high temperature, up to 400 degrees C (750 degrees F):

1. Inorganic Zinc Rich Coating
 MPI INT 5.2C
 Primer: Intermediate: Topcoat:
 MPI 19 Surface preparation and number of coats per
 manufacturer's instructions.
 System DFT: Per Manufacturer

2. Heat Resistant Aluminum Paint
 MPI INT 5.2B (Aluminum Finish)
 Primer: Intermediate: Topcoat:
 MPI 2 Surface preparation and number of coats per
 manufacturer's instructions.
 System DFT: Per Manufacturer

H. New surfaces and Existing surfaces made bare cleaning to SSPC SP 10
 subject to temperatures up to 593 degrees C (1100 degrees F):

1. High Heat Resistant Coating
 MPI INT 5.2D
 Primer: Intermediate: Topcoat:
 MPI 22 Surface preparation and number of coats per
 manufacturer's instructions.
 System DFT: Per Manufacturer

DIVISION 6: INTERIOR WOOD PAINT TABLE

A. New and Existing, uncoated Wood and plywood not otherwise specified:

1. High Performance Architectural Latex
 MPI INT 6.4S-G3 (Eggshell)
 Primer: Intermediate: Topcoat:
 MPI 39 MPI 139 MPI 139
 System DFT: 4.5 mils

MPI INT 6.4S-G4 (Satin)
 Primer: Intermediate: Topcoat:
 MPI 39 MPI 140 MPI 140
 System DFT: 4.5 mils

MPI INT 6.4S-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 39 MPI 141 MPI 141
 System DFT: 4.5 mils

2. Alkyd
 MPI INT 6.4B-G3 (Eggshell)
 Primer: Intermediate: Topcoat:
 MPI 45 MPI 51 MPI 51
 System DFT: 4.5 mils

MPI INT 6.4B-G5 (Semigloss)

DIVISION 6: INTERIOR WOOD PAINT TABLE

Primer: Intermediate: Topcoat:
 MPI 45 MPI 47 MPI 47
 System DFT: 4.5 mils

MPI INT 6.4B-G6 (Gloss)

Primer: Intermediate: Topcoat:
 MPI 45 MPI 48 MPI 48
 System DFT: 4.5 mils

3. Institutional Low Odor / Low VOC Latex

New; MPI INT 6.3V-G2 (Flat)

Primer: Intermediate: Topcoat:
 MPI 39 MPI 144 MPI 144
 System DFT: 4 mils

New; MPI INT 6.3V-G3 (Eggshell)

Primer: Intermediate: Topcoat:
 MPI 39 MPI 145 MPI 145
 System DFT: 4 mils

New; MPI INT 6.3V-G4

Primer: Intermediate: Topcoat:
 MPI 39 MPI 146 MPI 146
 System DFT: 4 mils

New; MPI INT 6.3V-G5 (Semigloss)

Primer: Intermediate: Topcoat:
 MPI 39 MPI 147 MPI 147
 System DFT: 4 mils

B. Existing, previously painted Wood and plywood not otherwise specified:

1. High Performance Architectural Latex

MPI RIN 6.4B-G3 (Eggshell)

Primer: Intermediate: Topcoat:
 MPI 46 MPI 139 MPI 139
 System DFT: 4.5 mils

MPI RIN 6.4B-G4 (Satin)

Primer: Intermediate: Topcoat:
 MPI 46 MPI 140 MPI 140
 System DFT: 4.5 mils

MPI RIN 6.4B-G5 (Semigloss)

Primer: Intermediate: Topcoat:
 MPI 46 MPI 141 MPI 141
 System DFT: 4.5 mils

2. Alkyd

MPI RIN 6.4C-G3 (Eggshell)

Primer: Intermediate: Topcoat:
 MPI 46 MPI 51 MPI 51
 System DFT: 4.5 mils

MPI RIN 6.4C-G5 (Semigloss)

Primer: Intermediate: Topcoat:
 MPI 46 MPI 47 MPI 47
 System DFT: 4.5 mils

DIVISION 6: INTERIOR WOOD PAINT TABLE

MPI RIN 6.4C-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 46	MPI 48	MPI 48
System DFT: 4.5 mils		

3. Institutional Low Odor / Low VOC Latex

Existing; MPI RIN 6.4D-G2 (Flat)

Primer:	Intermediate:	Topcoat:
MPI 39	MPI 144	MPI 144
System DFT: 4 mils		

Existing; MPI RIN 6.4D-G3 (Eggshell)

Primer:	Intermediate:	Topcoat:
MPI 39	MPI 145	MPI 145
System DFT: 4 mils		

Existing; MPI RIN 6.4D-G4

Primer:	Intermediate:	Topcoat:
MPI 39	MPI 146	MPI 146
System DFT: 4 mils		

Existing; MPI RIN 6.4D-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 39	MPI 147	MPI 147
System DFT: 4 mils		

C. New and Existing, previously finished or stained Wood and Plywood, except floors; natural finish or stained:

1. Natural finish, oil-modified polyurethane

New; MPI INT 6.4J-G4 / Existing; MPI RIN 6.4L-G4

Primer:	Intermediate:	Topcoat:
MPI 57	MPI 57	MPI 57
System DFT: 4 mils		

New; MPI INT 6.4J-G6 (Gloss) / Existing; MPI RIN 6.4L-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 56	MPI 56	MPI 56
System DFT: 4 mils		

2. Stained, oil-modified polyurethane

New; MPI INT 6.4E-G4 / Existing; MPI RIN 6.4G-G4

Stain:	Primer:	Intermediate:	Topcoat:
MPI 90	MPI 57	MPI 57	MPI 57
System DFT: 4 mils			

New; MPI INT 6.4E-G6 (Gloss) / Existing; MPI RIN 6.4G-G6 (Gloss)

Stain:	Primer:	Intermediate:	Topcoat:
MPI 90	MPI 56	MPI 56	MPI 56
System DFT: 4 mils			

3. Stained, Moisture Cured Urethane

New; MPI INT 6.4V-G2 (Flat) / Existing; MPI RIN 6.4V-G2 (Flat)

Stain:	Primer:	Intermediate:	Topcoat:
MPI 90	MPI 71	MPI 71	MPI 71
System DFT: 4 mils			

DIVISION 6: INTERIOR WOOD PAINT TABLE

New; MPI INT 6.4V-G6 (Gloss) / Existing; MPI RIN 6.4V-G6 (Gloss)
 Stain: MPI 90 Primer: MPI 31 Intermediate: MPI 31 Topcoat: MPI 31
 System DFT: 4 mils

D. New and Existing, previously finished or stained Wood Floors; Natural finish or stained:

1. Natural finish, oil-modified polyurethane

New; MPI INT 6.5C-G6 (Gloss) / Existing; MPI RIN 6.5C-G6 (Gloss)
 Primer: MPI 56 Intermediate: MPI 56 Topcoat: MPI 56
 System DFT: 4 mils

2. Natural finish, Moisture Cured Polyurethane

New; MPI INT 6.5K-G6 (Gloss) / Existing; MPI RIN 6.5D-G6 (Gloss)
 Primer: MPI 31 Intermediate: MPI 31 Topcoat: MPI 31
 System DFT: 4 mils

3. Stained, oil-modified polyurethane

New; MPI INT 6.5B-G6 (Gloss) / Existing; MPI RIN 6.5B-G6 (Gloss)
 Stain: MPI 90 Primer: MPI 56 Intermediate: MPI 56 Topcoat: MPI 56
 System DFT: 4 mils

4. Stained, Moisture Cured Polyurethane

New; MPI INT 6.5J-G6 (Gloss) / Existing; MPI RIN 6.5L-G6 (Gloss)
 Stain: MPI 90 Primer: MPI 31 Intermediate: MPI 31 Topcoat: MPI 31
 System DFT: 4 mils

E. New and Existing, previously coated Wood floors; pigmented finish:

1. Latex Floor Paint

New; MPI INT 6.5G-G2 (Flat) / Existing; MPI RIN 6.5J-G2 (Flat)
 Primer: MPI 45 Intermediate: MPI 60 Topcoat: MPI 60
 System DFT: 4.5 mils

New; MPI INT 6.5G-G6 (Gloss) / Existing; MPI RIN 6.5J-G6 (Gloss)
 Primer: MPI 45 Intermediate: MPI 68 Topcoat: MPI 68
 System DFT: 4.5 mils

2. Alkyd Floor Paint

New; MPI INT 6.5A-G2 (Flat) / Existing; MPI RIN 6.5A-G2 (Flat)
 Primer: MPI 59 Intermediate: MPI 59 Topcoat: MPI 59
 System DFT: 4.5 mils

New; MPI INT 6.5A-G6 (Gloss) / Existing; MPI RIN 6.5A-G6 (Gloss)
 Primer: MPI 27 Intermediate: MPI 27 Topcoat: MPI 27
 System DFT: 4.5 mils

F. New and Existing, uncoated wood surfaces in toilets, food-preparation, food-serving, shower

DIVISION 6: INTERIOR WOOD PAINT TABLE

areas, areas requiring a high degree of sanitation , and other high humidity areas not otherwise specified:

1. Waterborne Light Industrial

MPI INT 6.3P-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 45	MPI 110-G5	MPI 110-G5
System DFT: 4.5 mils		

MPI INT 6.3P-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 45	MPI 110-G6	MPI 110-G6
System DFT: 4.5 mils		

2. Alkyd

MPI INT 6.3B-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 45	MPI 47	MPI 47
System DFT: 4.5 mils		

MPI INT 6.3B-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 45	MPI 48	MPI 48
System DFT: 4.5 mils		

G. Existing, previously painted wood surfaces in toilets, food-preparation, food-serving, shower areas, areas requiring a high degree of sanitation, and other high humidity areas not otherwise specified:

1. Waterborne Light Industrial Coating

MPI RIN 6.3P-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 46	MPI 110-G5	MPI 110-G5
System DFT: 4.5 mils		

MPI RIN 6.3P-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 46	MPI 110-G6	MPI 110-G6
System DFT: 4.5 mils		

2. Alkyd

MPI RIN 6.3B-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 46	MPI 47	MPI 47
System DFT: 4.5 mils		

MPI RIN 6.3B-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 46	MPI 48	MPI 48
System DFT: 4.5 mils		

H. New and Existing, previously finished or stained Wood Doors; Natural Finish or Stained:

1. Natural finish, oil-modified polyurethane

New; MPI INT 6.3K-G4 / Existing; MPI RIN 6.3K-G4

Primer:	Intermediate:	Topcoat:
---------	---------------	----------

DIVISION 6: INTERIOR WOOD PAINT TABLE

MPI 57 MPI 57 MPI 57
 System DFT: 4 mils

New; MPI INT 6.3K-G6 (Gloss) / Existing; MPI RIN 6.3K-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 56 MPI 56 MPI 56
 System DFT: 4 mils

Note: Sand between all coats per manufacturers recommendations.

2. Stained, oil-modified polyurethane

New; MPI INT 6.3E-G4 / Existing; MPI RIN 6.3E-G4
 Stain: Primer: Intermediate: Topcoat:
 MPI 90 MPI 57 MPI 57 MPI 57
 System DFT: 4 mils

New; MPI INT 6.3E-G6 (Gloss) / Existing; MPI RIN 6.3E-G6 (Gloss)
 Stain: Primer: Intermediate: Topcoat:
 MPI 90 MPI 56 MPI 56 MPI 56
 System DFT: 4 mils

Note: Sand between all coats per manufacturers recommendations.

3. Stained, Moisture Cured Urethane

New; MPI INT 6.4V-G2 (Flat) / Existing; MPI RIN 6.4V-G2 (Flat)
 Stain: Primer: Intermediate: Topcoat:
 MPI 90 MPI 71 MPI 71 MPI 71
 System DFT: 4 mils

New; MPI INT 6.4V-G6 (Gloss) / Existing; MPI RIN 6.4V-G6 (Gloss)
 Stain: Primer: Intermediate: Topcoat:
 MPI 90 MPI 31 MPI 31 MPI 31
 System DFT: 4 mils

Note: Sand between all coats per manufacturers recommendations.

I. New and Existing, uncoated Wood Doors; Pigmented finish:

1. Alkyd

New; MPI INT 6.3B-G5 (Semigloss)
 Primer: Intermediate: Topcoat:
 MPI 45 MPI 47 MPI 47
 System DFT: 4.5 mils

New; MPI INT 6.3B-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 45 MPI 48 MPI 48
 System DFT: 4.5 mils

Note: Sand between all coats per manufacturers recommendations.

2. Pigmented Polyurethane

New; MPI INT 6.1E-G6 (Gloss)
 Primer: Intermediate: Topcoat:
 MPI 72 MPI 72 MPI 72
 System DFT: 4.5 mils

Note: Sand between all coats per manufacturers recommendations.

DIVISION 6: INTERIOR WOOD PAINT TABLE

J. Existing, previously painted Wood Doors; Pigmented finish:

- 1. Alkyd
 - New; MPI RIN 6.3B-G5 (Semigloss)
 - Primer: Intermediate: Topcoat:
 - MPI 46 MPI 47 MPI 47
 - System DFT: 4.5 mils

 - New; MPI RIN 6.3B-G6 (Gloss)
 - Primer: Intermediate: Topcoat:
 - MPI 46 MPI 48 MPI 48
 - System DFT: 4.5 mils

Note: Sand between all coats per manufacturers recommendations.

DIVISION 9: INTERIOR PLASTER, GYPSUM BOARD, TEXTURED SURFACES PAINT TABLE

A. New and Existing, previously painted Plaster and Wallboard not otherwise specified:

- 1. Latex
 - New; MPI INT 9.2A-G2 (Flat) / Existing; RIN 9.2A-G2 (Flat)
 - Primer: Intermediate: Topcoat:
 - MPI 50 MPI 44 MPI 44
 - System DFT: 4 mils

 - New; MPI INT 9.2A-G3 (Eggshell) / Existing; RIN 9.2A-G3 (Eggshell)
 - Primer: Intermediate: Topcoat:
 - MPI 50 MPI 52 MPI 52
 - System DFT: 4 mils

 - New; MPI INT 9.2A-G5 (Semigloss) / Existing; RIN 9.2A-G5 (Semigloss)
 - Primer: Intermediate: Topcoat:
 - MPI 50 MPI 54 MPI 54
 - System DFT: 4 mils

- 2. High Performance Architectural Latex - High Traffic Areas
 - New; MPI INT 9.2B-G2 (Flat) / Existing; MPI RIN 9.2B-G2 (Flat)
 - Primer: Intermediate: Topcoat:
 - MPI 50 MPI 138 MPI 138
 - System DFT: 4 mils

 - New; MPI INT 9.2B-G3 (Eggshell) / Existing; MPI RIN 9.2B-G3 (Eggshell)
 - Primer: Intermediate: Topcoat:
 - MPI 50 MPI 139 MPI 139
 - System DFT: 4 mils

 - New; MPI INT 9.2B-G5 (Semigloss) / Existing; MPI RIN 9.2B-G5 (Semigloss)
 - Primer: Intermediate: Topcoat:
 - MPI 50 MPI 141 MPI 141
 - System DFT: 4 mils

- 3. Institutional Low Odor / Low VOC Latex
 - New; MPI INT 9.2M-G2 (Flat) / Existing; MPI RIN 9.2M-G2 (Flat)
 - Primer: Intermediate: Topcoat:
 - MPI 50 MPI 144 MPI 144

DIVISION 9: INTERIOR PLASTER, GYPSUM BOARD, TEXTURED SURFACES PAINT TABLE

System DFT: 4 mils

New; MPI INT 9.2M-G3 (Eggshell) / Existing; MPI RIN 9.2M-G3 (Eggshell)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 145	MPI 145

System DFT: 4 mils

New; MPI INT 9.2M-G4 (Satin) / Existing; MPI RIN 9.2M-G4 (Satin)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 146	MPI 146

System DFT: 4 mils

New; MPI INT 9.2M-G5 (Semigloss) / Existing; MPI RIN 9.2M-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 147	MPI 147

System DFT: 4 mils

B. New and Existing, previously painted Plaster and Wallboard in toilets, food-preparation, food-serving, shower areas, areas requiring a high degree of sanitation, not otherwise specified:

1. Waterborne Light Industrial Coating

New; MPI INT 9.2L-G5 (Semigloss) / Existing; MPI RIN 9.2L-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 110-G5	MPI 110-G5

System DFT: 4 mils

2. Alkyd

New; MPI INT 9.2C-G5 (Semigloss) / Existing; MPI RIN 9.2C-G5 (Semigloss)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 47	MPI 47

System DFT: 4 mils

3. Epoxy

New; MPI INT 9.2E-G6 (Gloss) / Existing; MPI RIN 9.2D-G6 (Gloss)

Primer:	Intermediate:	Topcoat:
MPI 50	MPI 77	MPI 77

System DFT: 4 mils

-- End of Section --