

SECTION 09 96 00

HIGH-PERFORMANCE COATINGS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. High-performance coatings for steel.
- B. Exterior and interior, steel fabricator shop and field applied,

1.2 RELATED SECTIONS

- A. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified under other Sections.

1.3 REFERENCE STANDARDS

- A. ASTM International (ASTM):
 - 1. ASTM D16 Standard Terminology for Paint, Related Coatings, Materials, and Applications
 - 2. ASTM D4417 Standard Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel
 - 3. ASTM E337 Standard Test Method for Measuring Humidity with a Psychrometer (the Measurement of Wet- and Dry-Bulb Temperatures)
- B. NACE International (Formerly known as National Association of Corrosion Engineers):
 - 1. NACE Certified Inspector Program
- C. The Society for Protective Coatings (SSPC):
 - 1. SSPC-PA 2 Procedure for Determining Conformance to Dry Coating Thickness Requirements
 - 2. SSPC-QP 1 Standard Procedure for Evaluating the Qualifications of Industrial/Marine Painting Contractors (Field Application to Complex Industrial and Marine Steel Structures)
 - 3. SSPC-QP 3 Certification Standard for Shop Application of Complex Protective Coating Systems
 - 4. SSPC-SP 1 Solvent Cleaning
 - 5. SSPC-SP 6/NACE No. 3 Commercial Blast Cleaning
 - 6. SSPC-SP 11 Power Tool Cleaning to Bare Metal
 - 7. SSPC - Steel Structures Painting Manual, Volumes 1 and 2
 - 8. SSPC VIS 1 Guide and Reference Photographs for Steel Surfaces Prepared by Dry Abrasive Blast Cleaning

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1.4 DEFINITIONS

- A. Interior: Defined as surfaces that are within heated and air conditioned spaces, areas and rooms. Ceiling cavities and plenums above conditioned spaces and within the confines of the exterior walls shall be considered as interior.
- B. Exterior: Defined as surfaces that are exposed to temperature and humidity variations, precipitation, and ultraviolet light. Exterior shall include spaces and areas that are covered by roof structures but are not heated and air conditioned.
- C. Coatings Terminology: Refer to ASTM D16 for definitions of terms related to coating work not otherwise defined in this Section.

1.5 PRE-APPLICATION MEETINGS

- A. Pre-Application Meeting: Convene a pre-application meeting three weeks before start of application of coating systems. Require attendance of parties directly affecting work of this Section, including Contractor, Contractor's structural engineer or architect, Contractor's inspector, Independent Coating Inspector, applicator, and manufacturer's representative. Review the following:
 - 1. Environmental requirements.
 - 2. Protection of surfaces not scheduled to be coated.
 - 3. Surface preparation.
 - 4. Application.
 - 5. Repair.
 - 6. Field quality control.
 - 7. Cleaning.
 - 8. Protection of coating systems.
 - 9. One-year inspection.
 - 10. Coordination with other work.

1.6 SUBMITTALS

- A. Product Data: Submit for each coating system.
 - 1. Material List: Inclusive list of required coating materials identifying each by manufacturer's product number and general classification.
 - 2. Manufacturer's Information: Technical information, including label analysis and instructions for handling, storing, and applying each coating material. Include instructions for preparation for and field touch up of primer and finish coats.
 - 3. Manufacturers Certification: Stating that products supplied will comply with local regulations controlling use of volatile organic compounds (VOC).
- B. Detailed Coating Schedule: Submit schedule detailing type of surface, specific data for each coating material, and number of coats required.
- C. Samples for Verification Purposes: Submit for each substrate, separate coat, coating color and material to be applied, with texture to simulate actual conditions, on 8 inch by 10 inch stepped samples of the actual substrate to be coated. Use representative colors when preparing samples for review. Label each sample with product data defining each separate coat, including primers. Resubmit until required sheen, color, and texture are achieved.

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- D. **Manufacturers Project Acceptance Document:** Submit certification and acceptance of compatibility and suitability of materials scheduled with substrate and project conditions indicated.
- E. **Maintenance Instructions:** Submit manufacturers' instructions for maintenance of installed work, including methods and frequency for maintaining optimum condition under anticipated use. Include precautions against cleaning materials and methods which may be detrimental to finishes and performance.
- F. **Applicator's Qualification:** Submit applicator's resume, include list of a minimum of 5 completed projects of similar size and complexity to this Work. Include for each project:
 - 1. Project name and location.
 - 2. Name of owner.
 - 3. Name of contractor.
 - 4. Name of engineer or architect.
 - 5. Name of coating manufacturer.
 - 6. Approximate area of coatings applied.
 - 7. Date of completion.
- G. **Manufacturer's Technical Representative's Qualifications:** Submit resume.
- H. **Independent Coating Inspector's Qualifications:** Submit resume.
- I. **Contractor's Field Quality Control:** Submit specified reports. Include completed Surface Preparation and Coating Inspection Record.
- J. **Independent Coating Inspector's Reports:** Submit reports. Submit Surface Preparation and Coating Inspection Record daily with a copy to the Contracting Officer.
- K. **Manufacturer Technical Representative's Reports:** Submit reports of representative's periodic inspections.

1.7 QUALITY ASSURANCE

- A. **Material Requirements:**
 - 1. **Compatibility:** Provide materials that are compatible with one another under conditions of service and application required, as demonstrated by manufacturer based on testing and field experience.
 - 2. **Single Source Responsibility:** Provide primers and undercoat material produced by the same manufacturer as the finish coats for each type of coating. Use only thinners recommended by the manufacturer and only within recommended limits.
- B. **Applicator Qualifications:** Applicator shall be experienced in performing high-performance coating work, shall have completed not less than 10 years with coating system applications similar in material and extent to those indicated for Project, and have a record of successful in-service performance.
 - 1. Applicator shall be certified by SSPC-QP 1 for surface preparation and field coating application and SSPC-QP 3 for shop painting, as applicable.
 - 2. **Applicator's Personnel:** Persons trained for application of specified coatings.

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- C. Manufacturer's Technical Representative Qualifications: Direct employee of technical services department of manufacturer with minimum of 5 years experience in providing recommendations, observations, evaluations, and problem diagnostics. Sales representatives are not acceptable.
- D. Independent (third party) coating inspector shall be certified under NACE Certified Inspector Program as a Level 3 Certified Coating Inspector. Also Coating Inspector shall have documented experience in the inspection of the system of type specified for projects of similar size and character.
- E. Quality Standard for Steel Preparation: Surface preparation and painting practices shall conform to the SSPC - Steel Structures Painting Manual, Volumes 1 and 2.
- F. Regulatory Requirements: Comply with Federal, State and local requirements for allowable volatile organic compounds (VOC).
- G. Field Applied Mock-Ups: Provide a full-coat finish mock-up of each type of coating and substrate required on the Project. Mock-ups may be actual substrates of the Work. Duplicate finish of approved prepared samples.
 - 1. Select one surface, approved by the Contractor's architect or engineer, to represent surfaces and conditions for each type of coating and substrate to be painted.
 - 2. Apply coatings to each surface according to the Schedule or as specified. Provide required sheen, color, and texture on each surface.
 - 3. After finishes are accepted, the surface shall be used to evaluate coating systems of a similar nature.

1.8 DELIVERY, STORAGE, AND PROTECTION

- A. Delivery: Deliver coating materials to the job site in manufacturer's original, new, unopened packages and containers bearing manufacturer's name and label and following information:
 - 1. Name or title of material.
 - 2. Manufacturer's name, stock number, and date of manufacture.
 - 3. Contents by volume.
 - 4. Thinning instructions (if permitted).
 - 5. Application instructions.
 - 6. Color name and number.
 - 7. Handling instructions and precautions.
- B. Storage: Store materials not in actual use in accordance with weather, temperature, humidity and substrate conditions recommended by material manufacturer, in tightly covered containers at a minimum ambient temperature of 45 deg F in a well-ventilated area. Maintain containers used in storage of coatings in clean condition, free of foreign materials and residue.
- C. Protection: Protect work of other trades and vehicles, structures, landscaping, paving, and other surfaces on and off the site from marking or injury from coating application and from field surface preparation.

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1.9 PROJECT CONDITIONS

A. Weather Condition Limitation:

1. Proceed with coating work only when existing and forecasted weather conditions will permit application of coating material in accordance with manufacturers' recommendations and warranty requirements.
2. Work may continue during inclement weather if surfaces and areas to be coated are enclosed and heated within temperature and humidity limits specified by manufacturer during application and drying periods and job site conditions are acceptable to the manufacturer and applicator.
3. If anticipated time of coating application is such that weather would likely restrict coating application, the Contractor may, with the written acceptance of the Contractor's architect or engineer, apply complete finish system within shop.

1.10 MAINTENANCE MATERIALS

- A. Field Touch-Up Kits: Furnish to the Authority field touch-up kits complete with preparation, mixing, and application instructions for each coat and color used. Kits shall consist of quart containers. Larger containers may be acceptable if accepted by the Contracting Officer. Quantity of kits shall equal one gallon for each 5,000 square feet of coating.

PART 2 - PRODUCTS

2.1 PRODUCTS

- A. Coating system shall be high performance coating system approved by the Contractor's architect or engineer such as polysiloxane, polyaspartic modified urethane, or fluoropolymer which may be applied in the field. Primer shall be inorganic or organic zinc as recommended by the manufacturer of finish coats. Coatings including primers shall comply, at minimum, with South Coast Air Quality Management District (SCAQMD) Rule 1113.
- B. Material Compatibility: Provide primers, intermediate coat materials, finish coat materials, and related materials that are compatible with one another and the substrates indicated under conditions of service and application as demonstrated by the manufacturer based on testing and field experience.
- C. Colors: As indicated in the Construction Drawings or other Contractor provided documentation.

2.2 SHOP QUALITY CONTROL

- A. The requirements specified herein in the Article entitled "Field Quality Control" apply to surface preparation and shop application of prime coat and, if applicable, other shop coats.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrate surfaces to receive high performance coatings for steel and associated work and conditions under which work will be installed. Correct unsatisfactory conditions prior to

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proceeding with coatings work. Starting of work within a particular area will be construed as installers' acceptance of surface conditions.

3.2 PREPARATION

- A. Coordination of Work: Review other Sections in which shop applied primers are provided to ensure compatibility of the total system for various substrates. Coordinate with shop applicators and ensure use of compatible primers.
- B. General: Remove plates, machined surfaces, and similar items already in place that are not to be coated, or provide surface-applied protection prior to surface preparation and coating. Remove these items, if necessary, to completely coat the items and adjacent surfaces. Following the coating operations in each space or area, have removed items reinstalled by workers skilled in the trades involved. After completing coating operations, reinstall items that were removed.
 - 1. Areas which may become inaccessible or difficult to coat after erection shall be coated prior to assembly or erection.
- C. Cleaning: Before applying coatings or other surface treatments, clean the substrates of substances that could impair bond of the various coatings. Remove oil and grease prior to cleaning. Schedule cleaning and coating application so dust and other contaminants from the cleaning process will not fall on wet, newly coated surfaces.
 - 1. Marks for color coding of bulk materials and erection marking which are not compatible with coating system shall be removed or sealed as instructed in the coating system manufacturer's instructions.
- D. Ferrous Metals Surface Preparation: Clean and prepare surfaces to be coated according to the manufacturer's instructions for each particular substrate condition as scheduled in either the fabricator's shop or in field.
- E. Ferrous Metals Surface Preparation: Uncoated Metal Surfaces:
 - 1. Fabrication Defects: Correct steel and fabrication defects revealed by surface preparation.
 - a. Scrape or grind protrusions flush with surface.
 - b. Remove weld spatter and slag.
 - c. Round sharp edges and corners of welds to a smooth contour.
 - d. Smooth weld undercuts and recesses.
 - e. Grind down porous welds to pinhole-free metal.
 - f. Remove weld flux from surface.
 - 2. Remove oil, grease, dirt, loose mill scale and other foreign substances using methods that comply with SSPC/NACE recommendations.
 - 3. Blast-clean steel surfaces as recommended by the coating system manufacturer and according to the requirements of SSPC/NACE Specification referenced herein.
 - a. Achieve surface profile recommended by the primer manufacturer.
 - b. Coat abrasive blast-cleaned surfaces with primer before visible rust forms on surface. Do not leave blast-cleaned surfaces uncoated for more than 8 hours.
 - 4. Ensure surfaces are dry.
 - 5. Treat cleaned metal with a metal treatment wash coat prior to priming.

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- F. Ferrous Metals Surface Preparation: Coated Metal Surfaces: Remove foreign substances using methods that comply with coating system manufacturer recommendations. Touch-up bare areas and previous coatings that have been damaged.
- G. Material Preparation: Carefully mix and prepare coating materials according to the manufacturer's directions.
 - 1. Maintain containers used in mixing and application of coatings according to the manufacturer's directions.
 - 2. Stir materials before applying to produce a mixture of uniform density; stir as required during application. Do not stir surface film into the material. Remove film and, if necessary, strain the coating material before using.
 - 3. Use only the type of thinners approved by the manufacturer and only within recommended limits.
- H. Tinting:
 - 1. Tinting at the site is not permitted.
 - 2. Tint undercoats to match color of finish coat, but provide sufficient difference in shade to distinguish each separate coat.

3.3 APPLICATION

- A. General: Apply high performance coatings according to manufacturer's instructions, approved submittals, and Contract Documents.
- B. Application Requirements:
 - 1. Use application techniques best suited for the coating materials being applied. Apply shop coatings by brush, roller, spray, or other applicators according to coating manufacturer's instructions. Apply field coatings by brush or roller according to coating manufacturer's instructions, no spray application of field coatings.
 - a. Brush Application: Use brushes best suited for material applied and of appropriate size for surface or item being coated. Brush out and work brush coats into surfaces in an even film.
 - b. Roller Application: Use rollers of carpet, velvet back, or high-pile sheep's wool as recommended for material applied.
 - c. Spray Application:
 - 1) Spray application may only be used for shop application.
 - 2) Use mechanical methods to apply coatings if permitted by manufacturer and governing regulations. Use spray equipment with orifice size as recommended by manufacturer for material being applied. Do not double back with spray equipment building up film thickness of 2 coats in one pass, unless recommended by manufacturer.
 - 2. The number of coats and film thickness required is the same regardless of the application method. Do not apply succeeding coats until the previous coat has cured as recommended by the manufacturer. Where sanding is required, according to the manufacturer's directions, sand between applications to produce a smooth, even surface.
 - 3. Apply coating systems to provide an opaque, smooth surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections shall not be accepted.

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4. Make edges of coatings adjoining other materials clean and sharp with no overlapping. Work material into surface voids and hairline cracks.
 5. Do not apply coatings over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to forming a durable coating film.
 6. Do not use materials that are beyond the manufacturers recommended pot life.
 7. Do not apply initial coating until moisture content of surface is within limitations recommended by coating manufacturer according to moisture meter testing.
 8. Do not apply succeeding coats until previous coat has cured as recommended by coating manufacturer. Do not exceed manufacturer's recommended maximum time limit for re-coating. If the manufacturer's recommended maximum time limit has been exceeded, prepare surface as required by manufacturer prior to applying next coat.
- C. Primer Application: Apply primer coats to surfaces, in fabricator's shop or in field as indicated in schedules below, that have been cleaned, pretreated (if required), or otherwise prepared for coating as soon as practical after preparation and before subsequent surface deterioration.
- D. Finish Coats:
1. Recoat primed surfaces where there is evidence of suction spots or unsealed areas in first coat, to assure a finish coat with no burn-through or other defects due to insufficient sealing.
 2. When undercoats or other conditions show through the final coat, apply additional coats until the cured film has a uniform coating finish, color, and appearance. Give special attention to edges, corners, crevices, welds, exposed fasteners, and similar surfaces to ensure that they receive a dry film thickness equivalent to that of flat surfaces.
- E. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or recoat work that does not comply with specified requirements.

3.4 REPAIR

- A. Repair defects such as overspray, runs, sags, voids, blistering, peeling, rusting, inadequate cure, and lack of adhesion according to the touch-up and repair procedures accepted by the Authority.
- B. Remove mud cracking on steel, except sheet metal by blasting. Remove mud cracking on sheet metal per SSPC-SP 11; take care to avoid deformation of the metal. Suitably restore the surface profile for the specified paint material.

3.5 FIELD QUALITY CONTROL

- A. Contractor's Field Quality Control: Field Quality Control tests and inspection outlined herein shall be augmented under the Contractor's Quality Management System as required, for example, to protect structures in accordance with the CHSTP Design Criteria. Verify that the following are as specified and document verification. .
 1. Coatings and other materials.
 2. Surface preparation and application.
 3. Environmental conditions prerequisite for each coat.
 4. Surface conditions prerequisite for each coat.
 5. Minimum and maximum re-coating time limitations and pot life expiration times.
 6. Mixing, thinning, and induction time.
 7. DFT of each coat and total DFT of coating system using wet film and dry film gauges.

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8. Coating Defects: Check coatings for film characteristics or defects that would adversely affect performance or appearance of coating systems.
9. Report:
 - a. Complete Surface Preparation and Coating Inspection Record for each portion of the work for each system. The breakdown of portions of the work shall be as agreed to by the Contracting Officer. Records shall be in addition to those of the Independent Coating Inspector.
 - b. Written reports describing inspections made and actions taken to correct nonconforming work.
 - c. Nonconforming work not corrected.

B. Independent Coating Inspector:

1. The Contractor shall provide an Independent Coating Inspector to perform the tests and inspections listed in this Article entitled “Field Quality Control” and additional tests and inspections as necessary to complete the Surface Preparation and Coating Inspection Record. The Independent Coating Inspector’s work shall be in addition to the Contractor’s quality control under the Contractor’s Quality Management System.
2. The Independent Coating Inspector shall complete Surface Preparation and Coating Inspection Record daily for each portion of the work for each system. The breakdown of portions of the work shall be as agreed to by the Contracting Officer. Refer to the Surface Preparation and Coating Inspection Record form at the end of the Section.
3. The Inspector shall initiate and the Contractor shall hold a meeting when, in the Inspector’s judgment, nonconforming work is not being corrected or if measures are not being made in a timely manner to prevent further non-conforming work. Meeting attendees shall be the same as those listed for the Pre-application Meeting.

C. Determination of Dry Film Thickness (DFT):

1. Dry film thickness of each coat shall be according to the requirements specified herein or manufacturer’s recommendation, whichever is greater.
2. The required DFT shall be a minimum of the profile depth of the coating, when dry, as measured from the face of the surface to be coated. The specified DFT over blasted or otherwise roughened surface requires a dry film thickness gage reading on the bare surface prior to painting. The bare surface gage reading shall then be deducted from the coated surface gage readings
3. Measure film thickness as follows:
 - a. Magnetic surfaces by use of a Mikrotest or Elcometer thickness gauge in accordance with SSPC-PA 2.
 - b. Nonmagnetic surfaces by wet film thickness readings, thus verifying the calculated wet film thickness required to achieve the specified dry film thickness.
 - c. Disputed thickness shall have a final check using the Tooke gage.

D. Surface Preparation and Coating Inspection:

1. Determine dew point and relative humidity following procedures of ASTM E337.
2. Readings are required prior to application and approximately every four hours or at other time intervals approved in writing by the Contractor’s architect or engineer and which are acceptable to the Independent Coating Inspector. Alternatively, continuous monitoring shall be performed using systems established or approved by the Contractor’s architect or engineer in writing and which are acceptable to the Independent Coating Inspector.

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3. Review temperature, humidity, and dew point readings upon noticeable deterioration of conditions or as requested by the Contracting Officer.
4. Compare blast cleaned surfaces with SSPC Vis 1, visual standards. Verify the anchor pattern profile depth in accordance with ASTM D4417.
5. Use grease-free chalk to mark local areas which do not meet specified standards.
6. Take surface temperature and humidity reading prior to application of each coat. The work shall not proceed if the ambient temperature parameters are outside the specified requirements. If more stringent, the coating manufacturer's requirements shall dictate.
7. Visually inspect the coating for defects such as overspray, runs, sags, voids, blistering, peeling, rusting, mud cracking, inadequate cure, and lack of adhesion.

E. Manufacturer's Field Service:

1. The Contractor shall provide the services of a manufacturer's qualified technical representative who shall attend the Pre-application Meeting and be available to answer technical questions
2. In addition, the representative shall periodically inspect material and application to ensure installation is proceeding in accordance with manufacturer's designs, recommendations and warranty requirements. The periodic inspections shall consist of a minimum of 2 hours every two weeks during high performance coating application for steel work, including work in fabricator's shop and work in field.
3. Representative shall submit reports of its inspections.

- F. The Contractor shall furnish the necessary testing and inspection instruments, calibrated and maintained. Such equipment shall be available for use by the Contracting Officer upon request.

3.6 CLEANING

- A. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping.

3.7 PROTECTION AND TOUCH UP

- A. Protect surfaces, structures, landscaping, and vehicles including those of adjacent property owners from damage by painting including over spray.
- B. Protect work of other trades, whether being painted or not, against damage by painting. Correct damage by cleaning, repainting, repairing or replacing. Coordinate corrections with other trades involved.
- C. Provide "Wet Paint" signs to help protect newly painted finishes. Remove temporary protective wrappings provided by others to protect their work after completing painting operations.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces. Prepare areas requiring touch up as required by coating manufacturer. Touch up with materials used in the work. In the case of shop primer, primer shall be product recommended in writing by coating manufacturer for field touch up.

3.8 COATINGS FOR STEEL (HIGH PERFORMANCE COATINGS) SCHEDULE

- A. Interior Surfaces of Steel Structures: At minimum, interior surfaces of steel structures such as concealed portions of box girders and tube sections shall be primed.

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B. Paint and Coatings System No. 1:

1. Locations: Exterior architectural exposed structural steel (AESS) and steel bridges
2. Steel Surface Preparation: As recommended by coating manufacturer, but not less than SSPC-SP 6/NACE No. 3
3. Coatings: To be completed in the Construction Specifications.
 - a. 1st Coat:
 - b. 2nd Coat:
 - c. 3rd Coat:

C. Paint and Coatings System No. 2:

1. Locations: Exterior: To be edited in the Construction Specifications.
 - a. Miscellaneous metal fabrications.
 - b. Metal stairs
 - c. Pipe and tube railings.
 - d. Non-galvanized sheet metal.
2. Steel Surface Preparation: As recommended by coating manufacturer, but not less than SSPC-SP 6/NACE No. 3
3. Coatings: To be completed in the Construction Specifications.
 - a. 1st Coat:
 - b. 2nd Coat:
 - c. 3rd Coat:

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SURFACE PREPARATION AND COATING INSPECTION RECORD

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REPORT NO: _____ DATE: __
 PROJECT: _____ DAY: M TU W TH F SA SU
 SUBCONTRACTOR: _____ SHIFT: __
 EQUIPMENT/AREA: _____ QC INSPECTOR: _____
 SUBSTRATE: STEEL / CONCRETE / OTHER - _____ COATING SPEC NO/REV: _____

ENVIRONMENTAL CONDITIONS:

COATING WORK ACTIVITY							
TIME							
DRY BULB TEMP. °F							
WET BULB TEMP. °F							
RELATIVE HUMIDITY, %							
DEW POINT °F							
SURFACE TEMP. °F							
BLOTTER TEST							

PRE-SURFACE PREPARATION

SSPC-SP1: _____ MASKING/PROTECTION: _____
 SURFACE DEFECTS: _____

SURFACE PREPARATION

METHOD: _____ ABRASIVE TYPE/SIZE/STORAGE: _____
 CLEANLINESS SPEC: _____ ACTUAL: _____ PROFILE SPEC: _____ ACTUAL: _____
 EQUIPMENT: _____

COATING MATERIALS & MIXING

PRODUCT(S) _____ BATCH NO(S)/QUANTITIES/EXPIRATION DATE: _____
 STORAGE: _____ THINNERS/BATCH NO(S)/THINNING RATIO: _____
 MIXING: _____ INDUCTION TIME: _____
 MATERIAL TEMPERATURE: _____ POT LIFE EXPIRATION TIME: _____
 COATING/LINING APPLICATION START TIME: _____ COATING/LINING APPLICATION FINISH TIME: _____

COAT: PRIMER/PRIMER TOUCH-UP (T.U.) / SECOND/SECOND T.U. / THIRD/THIRD T.U. / OTHER

METHOD: _____ WFT: _____ RECOAT TIME/TEMP: _____ CURE
 TIME/TEMP: _____
 EQUIPMENT: _____

APPLIED COATING

DRY FILM THICKNESS: SPEC: _____ ACTUAL: _____ METHOD: _____
 HOLIDAY TEST: _____ METHOD: _____ OTHER TESTING: _____ METHOD: _____
 VISUAL COATING INSPECTION (FILM IMPERFECTIONS): _____
 TOUCH-UP AND REPAIR: _____ FINAL CURE: _____

COMMENTS: (Use reverse side or separate sheet if necessary) _____

INSPECTOR'S SIGNATURE: _____ DATE: _____

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